

Good afternoon:

Attached is the draft version of the storyboard and talking points (as discussed during today's CMT Brief). Please review/make comments/edits so that we can provide to the CMT first thing in the morning (by 9 a.m.). We are out of time today, but I will work tomorrow's version so that there is enough time for the Chiefs the CMT-All list to review the draft before I send the final version to you. If I do not hear from you by 7 a.m., I will assume this is ready to go, and distribute to the team.

Thanks in advance,

Monique

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 9:31 PM
To: Farhat, Jody S NWD02
Subject: RE: DRAFT Storyboard and Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

This is great. Can you put in pictorial format where location can be shown as well?

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 6:55 PM
To: [REDACTED] NWD
Subject: FW: DRAFT Storyboard and Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

-----Original Message-----

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 4:59 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO
Cc: Williamson, Eileen L NWO
Subject: DRAFT Storyboard and Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Good afternoon:

Attached is the draft version of the storyboard and talking points (as discussed during today's CMT Brief). Please review/make comments/edits so that we can provide to the CMT first thing in the morning (by 9 a.m.). We are out of time today, but I will work tomorrow's version so that there is enough time for the Chiefs the CMT-All list to review the draft before I send the final version to you. If I do not hear from you by 7 a.m., I will assume this is ready to go, and distribute to the team.

Thanks in advance,

Monique

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:29 PM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWO; Ruch, Robert J COL NWO; [REDACTED] NWO
Subject: Re: Porjections (UNCLASSIFIED)

Jody,

That should work, we need to prep them with the best up to date info. Believe that if we are keeping them updated we are demonstrating our concerns regarding their needs and can better plan support as may be needed. Thanks in advance.....Joel

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWO
Cc: [REDACTED] NWO; Ruch, Robert J COL NWO; [REDACTED] NWO
Sent: Thu May 26 19:22:03 2011
Subject: RE: Porjections (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] - [REDACTED] and his crew are working on inundation mapping which I'm certain will over many of the areas mentioned below. All this will take until the middle of the week next week, but I'm sure the plan is to get it to the tribes asap and offer any assistance we can provide.

Jody

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 3:14 PM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWO; Ruch, Robert J COL NWO
Subject: Porjections (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

Has any thought been given to preparing inundation maps showing potential impacts to Tribal Lands based on the projected flows? I would think they would be useful tools to assist them in preparing? I know Winnebago will be concerned about how the higher flows are going to further impact their crossing at the Glovers Point SWH Site. TAT, SRST, and CRST will have questions/concerns as well. Ft Peck Tribe (other than the irrigation intake which we discussed) may be in better shape because they are higher up. Omaha Tribe may want to know impact to the Hole in the Rock Site which is both a important cultural site as well as a SWH site..... [REDACTED]

Tribal Liaison
USACE Omaha District
1616 Capitol Ave, Suite 9000
Omaha, NE 68102-4901
Voicemail ([REDACTED])
Fax ([REDACTED])
[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:03 PM
To: DLL-CENWO-EOC CMT-ALL
Cc: CENWD-EOC NWD; [REDACTED] NWO; [REDACTED] HQ02; [REDACTED]
COL MIL USA USARNORTH; [REDACTED] MIL USA USARNORTH; [REDACTED]
CIV USA USARNORTH; Fema-R8-RRCC-DIRECTOR@dhs.gov
Subject: Flood Update #71 (UNCLASSIFIED)
Attachments: 2011 Missouri River Flood Talking Points 26 May 2011.docx; 24hrPrecip26May2011.jpg;
dailybull 5.26.11.pdf; Day1QPF26May11.gif; Day2QPF26May11.gif; Day3QPF26May11.gif;
TempOutlook_26May11.xlsx; Pertinent_Mainstem_dam_data_05262011.xlsx;
BismarckNDLeveeAlignments120kcfs.pdf; DRAFT_Pierre_May25_2011_11x17.pdf

Classification: UNCLASSIFIED

Caveats: FOUO

****EMERGENCY OPERATIONS****

Information Cutoff: 1400 26 May 2011

Situation:

Heavy rains and high plains snowpack have pushed the Missouri River Reservoirs to very high levels that will require aggressive and large releases. District CMT briefs are now being conducted daily at 1300. After the team reviewed model predictions, inundation mapping products, and decided upon a release strategy, COL Ruch contacted congressional representatives yesterday evening. The forecasted releases have increased substantially from 85,000 cfs.

A CODEL call was conducted this morning at 0800. Jody Farhat briefed participants on upcoming release schedules and the team responded to questions from the field. Most state and congressional representatives appear to understand the situation and are concerned, yet realize the need to evacuate the reservoirs and mitigate risk.

Additionally, in order to disseminate the most current and accurate information, Paul Johnston and staff conducted a call-in press conference this morning at 1100.

BG McMahon, COL Ruch and staff will be visiting Bismarck, ND on Friday and Pierre, SD on Saturday in order to assess conditions and meet with key state and local representatives. A bus tour followed by a City meeting with Senator Conrad, Senator Hoeven, and Governor Dalrymple will occur.

Garrison Dam releases were increased to 70k cfs on Tuesday and increased to 75k cfs on Wednesday. Releases are scheduled to be increased to 80k cfs on Friday and 85k cfs on Monday.

Oahe Dam releases were increased to 64k cfs on Tuesday and increased to 70k cfs on Wednesday. Releases will increase to 75k cfs today, 80k cfs on Friday, and 85k cfs on Saturday. Higher releases at Big Bend are continuing to help reduce the backwater affect in Pierre, SD.

2. Weather:

2a. Past Precipitation:

The heaviest amounts of precipitation occurring over the 24 hours ending 7:00 am 26 May 2011 were in central and eastern Nebraska and western Iowa. The NWS indicates the Rulo, Nebraska area received the heaviest amount in the Omaha District, from 3.0-4.0". The Kearney, Grand Island, Columbus, and Sioux City areas received 1.0-1.5" with areas on either side of this

band receiving 0.10-0.75". Light amounts from 0.01-.10" extended from northwestern Montana to southwestern South Dakota and southeastern Wyoming. Centers of generally 0.10-0.25" occurred west of Great Falls and over Billings, Montana. Other centers receiving this amount were Buffalo, Casper, Douglas, and Cheyenne, Wyoming. From 0.25-0.50" fell east of Cheyenne and in the Rapid City, South Dakota area.

2b. Future Precipitation:

The day 1 QPF (700 hours Thursday to 700 hours Friday) A band of precipitation ranging from 0.25-0.50" across northern Montana, northern and central North Dakota, central South Dakota, and northern Nebraska with lighter amounts on each side.

The day 2 QPF (from 700 hours Friday to 700 hours Saturday) Areas of 0.25-0.50" over west central Montana and the Yellowstone area, another area of 0.25-0.50" over northeastern Colorado and southwestern Nebraska, and a third area of 0.25-0.50" extending from Watertown to North Sioux City, South Dakota are forecast.

The day 3 QPF (from 700 hours Saturday to 700 hours Sunday) Amounts ranging from 0.25-0.50" extending from southwestern Nebraska to most of eastern Nebraska are forecast. Southwestern Iowa may receive from 0.50-0.75". Western and central Montana are expected to receive 0.25-0.50" with a 0.50-0.75" center. Lesser amounts are forecast for southern Wyoming, northern Colorado, and most of Nebraska, South Dakota, North Dakota, and Montana.

3. Hydro Status:

3.a River (Flood Stage/Current Stage/Forecast/Date of Peak: Peak Stage)

Montana

- * Little Bighorn River near Hardin/8.0/8.4/receding/May 23: 12.31
- * Tongue River at Miles City/11.0/7.16/receding/May 21: at 14.1
- * Yellowstone River at Billings/13.0/13.48/crested/May 26: 13.92
- * Yellowstone River at Miles City/13.0/12.08/receding/May 24: 14.74
- * Yellowstone River at Glendive/53.5/53.96/receding/May 23: 56.38
- * Yellowstone River near Sidney/19.0/21.02/receding/May 24: 21.92
- * Musselshell River near Harlowton/7.0/9.72/crested/May 26: 10.22

North Dakota

- * James River at Jamestown/12.00/11.68(1,800 cfs)/steady/
- * James River at LaMoure/14.0/11.43'/steady/
- * Little Missouri River at Medora/15.0/18.38/receding/May 25: 20.48

South Dakota

- * Little Missouri River near Camp Crook/12.0/17.64/receding/May 24: 19.27
- * Cheyenne River near Plainview/16.0/19.67/cresting/May 26: 19.85
- * White River near White River/14.0/11.81/crested/May 25: 12.50

Nebraska

- * North Platte River at State Line/5.5/5.95/steady/May 25: 6.02
- * North Platte River near Mitchell/7.5/8.95/steady/May 24-25: 9.0
- * North Platte River at North Platte/6.0/7.38/steady/May 25: 7.44
- * Platte River at Kearney/6.0/6.14/increasing/May 30: 6.9
- * Missouri River at NE City/18.0/21.27/increasing/May 28: 23.2
- * Missouri River at Brownville/33.0/36.89/increasing/May 28: 39.8
- * Missouri River at Rulo/17.0/21.29/increasing/May 29: 23.7

Gages of concern were included in this summary. Let me know if other gages should be included.

3.b Reservoirs:

Tributary Reservoirs:

Pipestem Reservoir (ND) is at elevation 1486.78 ft msl and lowered 0.04 ft in the last 24 hours. Yesterday's daily inflows were 250 cfs. Releases were increased from 200 cfs to 400 cfs on May 25 and will be held at 400 cfs. 70.6% of the flood pool is occupied.

Jamestown Reservoir (ND) fell 0.28' yesterday to elevation 1448.48 ft msl. Yesterday's inflows were approximately 500 cfs. Releases were reduced to 1,400 cfs on May 25 and will be held at that rate hours. 64.5% of the flood pool is occupied.

Bowman Haley fell 0.31 ft to elevation 2757.28 ft msl with inflows of 303 cfs and releases of 624 cfs. 6.4% of the flood control pool is occupied.

Heart Butte has 10.7% of its flood control pool occupied, Pactola has 5.5%, and Shadehill has 5.6%.

Yellowtail rose 3.5 ft yesterday to elevation 3622.83 ft msl with inflows of 17,600 cfs and a 4,200 cfs release. 79.5% of its multipurpose pool is occupied.

Missouri River Mainstem Reservoirs:

Note all inflows and releases are average daily and the pool elevation is the midnight value. Today's releases are the scheduled daily release.

Fort Peck Dam (MT)

5/25 Pool Elev: 2245.77 ft-msl
24 hr change: 0.50'
5/25 Ave Inflow: 72,000 cfs
5/25 Ave Release: 10,200 cfs
5/26 Scheduled Release: 10,000 cfs

Garrison Dam (ND)

5/25 Pool Elev: 1851.12 ft-msl
24 hr change: 0.42'
5/25 Ave Inflow: 148,000 cfs
5/25 Ave Release: 73,400 cfs
5/26 Scheduled Release: 75,000 cfs

Oahe Dam (SD)

5/25 Pool Elev: 1617.90 ft-msl
24 hr change: 0.04'
5/25 Ave Inflow: 83,000 cfs
5/25 Ave Release: 68,500 cfs
5/26 Scheduled Release: 73,300 cfs

Big Bend Dam (SD)

5/25 Pool Elev: 1419.43 ft-msl
24 hr change: -0.58
5/25 Ave Inflow: 65,000 cfs
5/25 Ave Release: 80,700 cfs
5/26 Scheduled Release: 73,000 cfs

Fort Randall Dam (SD)

5/25 Pool Elev: 1356.75 ft-msl
24 hr change: 0.77'
5/25 Ave Inflow: 100,000 cfs
5/25 Ave Release: 63,800 cfs
5/26 Scheduled Release: 66,000 cfs

Gavins Point Dam (NE-SD)
5/25 Pool Elev: 1206.60 ft-msl
24 hr change: 0.11
5/25 Ave Inflow: 58,000 cfs
5/25 Ave Release: 60,000 cfs
5/26 Scheduled Release: 62,000 cfs

4.a Emergency Operations:

4.a.1 Nebraska -

Missouri River Levees: Developing monitoring plan for Missouri River levee system and downstream end of the Platte River in coordination with Levee safety Program Manager. Current plan is to send teams on Tuesday May 31 to assess base line conditions. Working with Hydro to install staff gages at various locations to monitor water levels on the levees.

North Platte, North Platte River: Conference call with City, CNPPID, Airport Authority and NWS to discuss Kingsley Dam release schedule and mapping. CNPPID will begin release ramp up Sunday May 29 and increase releases every other day to a target flow of 7,400 cfs at the North Platte gage. CNPPID indicates they will match but not exceed reservoir inflows. If flows exceed 7,400 cfs (plus diversion flows) they will increase releases. Corps is developing flood mapping for a 9,000 cfs flow and that is currently what a design of emergency measures would be based on. Staff (4) are currently in North Platte working with the City and airport authority. Airport Authority requested technical assistance due to water encroaching on their equipment. Meeting with Nebraska Emergency Management Agency(NEMA) and the Department of Natural Resources on Friday to review flood boundaries.

North Platte, South Platte River: Potential for high flows on the South Platte River coincident with North Platte River flows. Hydro is currently developing modeling and need additional bridge information. City has indicated that they will provide.

4.a.2 Montana - [REDACTED], Omaha District Tribal Liaison, continues to provide assistance the Crow Nation tribes and other tribes in Montana.

4.a.3 North Dakota - NWO technical teams are continuing to coordinate with the State and local officials in Bismarck and Mandan area. New release forecast were issued this morning. Currently, the increase to 85k cfs will remain as scheduled for Monday, 30 May. Releases will then be stepped up to 105k cfs by mid to late June. Reservoir levels at Garrison Dam are expected to peak at the top of the spillway gates. All protective measures will be built to 120k cfs plus 2 feet of freeboard. NWO technical teams are coordinating with the City of Bismarck and Mandan on new releases. The City of Mandan has requested USACE to construct a temporary levee starting approximately at Memorial Bridge heading south near the river for approximately 1.5 miles and then west approximately 1 mile tying the Federal Levee on the Heart River. The City of Bismarck has requested USACE to construct temporary levees in 4 separate locations approximately 4.75 miles in length. Contract will be awarded tonight for a section approximately 1 mile in length upon arrival of construction funds.

The State requested that the NWO technical teams assist the Standing Rock Sioux Tribe at Ft. Yates ND. Oahe reservoir water is approaching a subdivision on the northwest side of the causeway into Ft. Yates. Technical assistance and sandbags were requested. Technical team was on-site today providing assistance.

NWO has currently has a team of 5 performing 24 hour surveillance on the Williston, ND levee. The levee is owned, operated, and maintained by USACE. This effort is funded from Operations not FCCE. Williston Levee is at record stage. Twenty-four hour surveillance is underway. A 3-foot diameter boil was discovered adjacent to relief well 7 this afternoon. The boil is carrying material. District personnel have ringed the boil and filled the neck of the boil

with pervious material. The boil is currently being monitored to determine if additional measures are needed.

[REDACTED] is currently deployed to serve as the NWO Liaison in the ND EOC.

4.a.4 South Dakota -

26 May Press conference 10 AM to discuss flooding concerns and preparations in Pierre, SD. Eric Stasch (Oahe Dam Operations Project Manager) South Dakota Governor Dennis Daugaard, Pierre Mayor Laurie Gill, and Fort Pierre Mayor Sam Tidball. Discussed new release schedule and increased releases from the Oahe Dam. With the indicated increase of releases both cities are wanting and very active in the planning of the temporary levees. Contracts are being prepared today. A verbal approval for funds has been given by HQ. Pre-bid meeting scheduled for 1100hrs 27May 11 and bid opening will happen at 1700hrs. Rough estimates for approx 4 mi temporary levees requiring 80,000 CY of material. No sandbag levees are currently proposed.

Cities addressing areas requiring sandbags.

Hescos may be required on the Ft. Pierre side as there are a few very tight areas to get through.

4.a.5 Wyoming -

Elk Mountain, WY: Project information report has been approved and funded by HQ. Coordinating with the Town of Elk Mountain Mayor on delivery. Currently see low 50's and 40's at night. Snow is not melting yet and river stages are remaining normal.

4.a.6 Support to Others - No change

4.b Funding:

- * Total Code 200 Funding received to date for this event: \$2,956,425
- * Total Code 200 Funding revoked to date for this event: \$2,600,000
- * Class 219 - Emergency Operations - Direct Assistance - \$250,000 - WAD and FAD received 3/14/2011
- * Class 219 - Emergency Operations - Direct Assistance - \$3.825M - WAD received 03/15/11. FAD received 03/16/11.
- * Class 219 - Additional Funds Request on 24 March - \$231,425 - WAD and FAD received 03/24/11.
- * Class 219 - Emergency Operations - Direct Assistance - \$2.5M revoked - 4/13/11
- * Class 219 - Emergency Operations - Direct Assistance - \$100k revoked - 4/22/11
- * Class 210 - Response Operations - Alabama Tornadoes - \$56k - MIPR - 4/30/11
- * Class 210 - Response Operations - Alabama Tornadoes - \$25k - Request and received for EOC Operations and deployments on 4/30/11
- * Class 200 - Emergency Operations - Response Operations - \$500,000 - WAD and FAD received on 05/25/11
- * Class 200 - Emergency Operations - Response Operations - \$750,000 - WAD and FAD received on 05/26/11
- * Class 200 - Emergency Operations - Response Operations - \$5,000,000 - request sent 05/26/11
- * Class 200 - Emergency Operations - Response Operations - \$10,000,000 - request sent 05/26/11
- * Total Code 500 Funding received to date: \$827,904
- * Class 520 Funding - Advance Measures - Technical assistance - \$100K. WAD and FAD received on 3/2/11.
- * Class 52A Additional Request for Funding - Advance Measures - Technical assistance - \$100K. WAD and FAD received on 3/10/11.

* Class 520 Additional Request for Funding - Advance Measures - Technical assistance - \$101,640. WAD and FAD received on 3/24/11.

* Class 519 Funding - Advance Measures - Direct Assistance - \$376,264. WAD and FAD received on 3/28/11.

* Class 520 Funding - Advance Measures - Technical assistance - \$110k - FAD received on 05/12/11.

* Class 510 Funding - Advance Measures - Direct assistance - \$40k - FAD received on 05/26/11.

4.c Number of Personnel Supporting EOC Operations: 62

5.a EOC Activation - Level III - Partial Activation(Hours: 0700 to 1900)

Classification: UNCLASSIFIED

Caveats: FOUO

2011 Missouri River Flood Talking Point

26 May 2011 - 8 a.m.

Background

- Huge rain event over the past two weeks in eastern Montana, northern Wyoming and the western Dakotas
 - As much rain in the past month as this region gets in a normal year
 - 300 - 600 percent of normal
- Runoff from the rain has use up much of the storage we intended to utilize to manage the snowmelt runoff
- Snowpack peaked late, at 135 to 140 percent of normal, and has only just begun to runoff into the system.
- Release forecasts issued over the past several days were looking at short term, immediate changes we needed to handle the rainfall event
- Now we've had a chance to look at the longer range forecast to determine what we need to do to manage the snowmelt runoff that is poised to come into the reservoir system

Snowmelt

- With the reservoirs this full, timing of the snowmelt runoff and reservoir releases is critical
 - Similar snowpack to other high water years – the record runoff year of 1997 and 1975 when we set record pool levels at Fort Peck and Garrison
 - Used the timing and shape of those snowmelts applied to the runoff expected in 2011 to estimate daily inflows and releases for the reservoirs
 - Applied to current reservoir conditions

Releases

- Increased releases well above those previously announced are necessary at all six mainstem dams
- Increased releases are needed to manage the reservoir levels to avoid reaching the top of the spillway gates
 - If reservoirs reach the top of the spillway gates, inflow equal outflow
- This plan is based on what we know today looking out the next 60-day snowmelt window
 - As always, subject to change based on changing weather conditions
- Anticipating releases at all reservoirs except Fort Peck to eventually reach the 110 kcfs range
 - 120 kcfs possible system wide
 - Would increase stages about 0.7 feet in most areas

Reservoir Specific Releases

- Fort Peck
 - Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July
 - Peak reservoir level within 1 foot of the top of spillway gates

- Garrison
 - Increase to 85 kcfs on schedule provided previously
 - Hold 85,000 cfs through approximately 9 June
 - Step up to 105 kcfs by mid to late June
 - Peak reservoir level at top of spillway gates
- Oahe
 - Increase to 85 kcfs on schedule provided previously
 - Hold 85,000 cfs through 3 June
 - Step up to 100 kcfs by 6 June
 - Eventually reaching 110 kcfs by late June – early July
 - Peak reservoir level within 1 foot of the top of the spillway gates
- Big Bend
 - Increase release to 85 kcfs on schedule provided previously
 - Step to 90,000 next week
 - Eventually reaching 110 kcfs by late June – early July
 - Normal operating level for reservoir – no flood control storage
- Fort Randall
 - Increase to 82.5 kcfs on schedule provided previously
 - Releases gradually increased to 108 kcfs by late June – early July
 - Peak reservoir level 1364.5
- Gavins Point
 - Increase to 85 kcfs on schedule provided previously
 - Releases gradually increased to 110 kcfs by late June – early July
 - Normal operating level for reservoir – no flood control storage

Summary

- Forecast is based on best available information at this time and considers snowmelt period which previous estimates did not
- Releases of 110 kcfs are certain for lower 5 dams
- 120 kcfs across the system within the realm of possibility and is what we will be building to at any projects we are involved in
- These peak releases are absolutely necessary to manage the reservoir levels to avoid reaching the top of the spillway gates even if climatic conditions were to change suddenly for the better
- Release schedule firm for initial increases to 85,000 cfs; beyond that there will be shifts in timing based on conditions on the ground.
- Omaha and Kansas City Districts are working on flood inundation mapping which will be shared with local officials

7 Day Temperature Forecasts (Low/High)

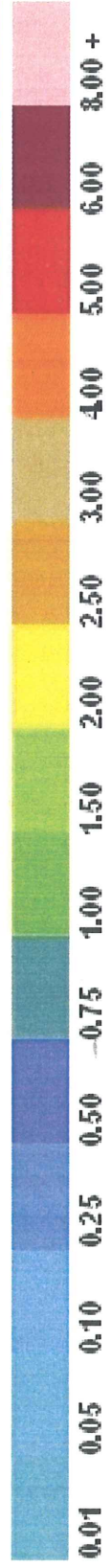
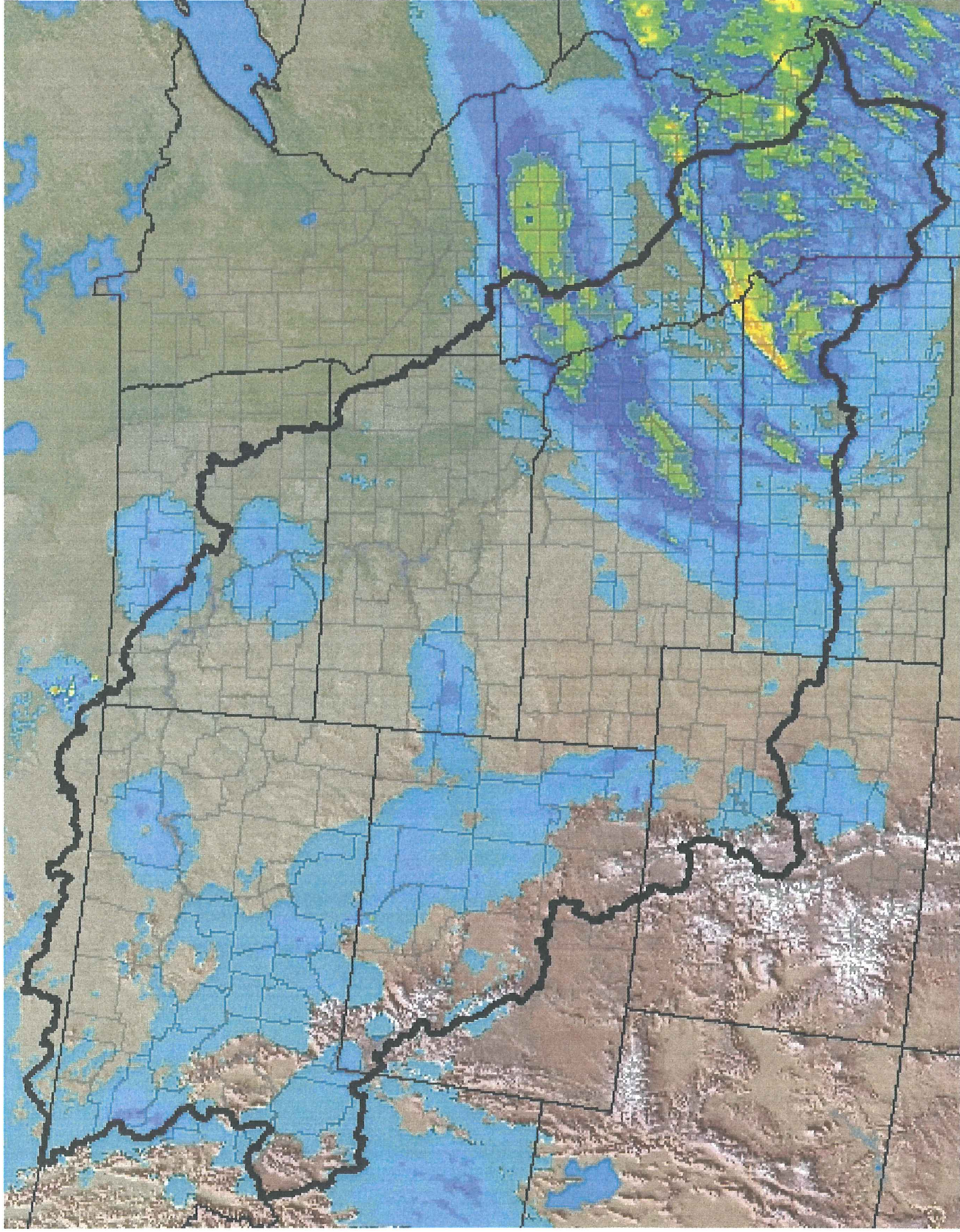
Location	Thu 26-May	Fri 27-May	Sat 28-May	Sun 29-May	Mon 30-May	Tue 31-May	wed 1-Jun
Helena, MT	43/51	40/52	38/49	38/57	38/60	40/71	44/75
Livingston, MT	42/51	40/53	37/47	35/50	36/53	35/67	41/73
Billings, MT	46/62	41/57	41/52	40/53	41/53	41/70	47/78
West Yellowstone, MT	32/48	26/44	25/41	27/46	31/50	60/61	33/66
Yellowstone Park, WY	27/35	23/33	20/35	23/41	28/45	26/55	28/61
Cody, WY	41/56	37/53	36/52	35/45	37/52	39/66	45/74
Sheridan, WY	44/63	36/57	36/54	36/50	41/52	38/68	43/74
Casper, WY	41/70	35/59	33/58	34/53	39/59	36/71	41/78
Laramie, WY	34/66	32/55	32/48	33/52	37/58	34/67	38/73

OMAHA DISTRICT DAM INFO AND DAM SAFETY SURVEILLANCE POOL TRIGGERS(As Of: 26 May 2011 1100)

SOUTHERN DISTRICT DAMS AND DAM CREST ELEVATIONS (AS OF 20 MAY 2014) (ft)																					
Project Symbol	Project	General Information				Elevations (ft-msl)				Current Data					Occupied Storage			Dam Safety Triggers			
		Record Pool	Design Dam Crest	Surcharge	Design Spillway Elevation (crest/top gate)	Top of Multi-Purpose Pool/Consevation	Top of Annual Flood Control Pool	Top of Exclusive Flood Control Pool	Midnight Elevation (ft-msl)	Daily Elevation Change	Storage (ac-ft)	Previous Day Inflow (DSF)	Previous Day Release (DSF)	Current Day Sched Release (DSF)	MP (%)	FC (ac-ft)	FC (%)	Weekly Surveillance	Daily Surveillance	24-HR Surveillance	
FP	Fort Peck Dam	2252.0 (1975)	2280.5	2256.1	(2225/2250)	2234.0	2246.0	2250.0	2245.77	0.50	17,448,000	72,000	10,200	10,000	100.0	2,452,316	66.4	2246.0	2250.0	2252.0	
GA	Garrison Dam	1854.8 (1975)	1875.0	1858.5	(1825/1854)	1837.5	1850.0	1854.0	1851.12	0.42	22,732,000	148,000	73,400	75,000	100.0	4,622,375	80.9	1850.0	1854.0	1854.8	
OA	Oahe Dam	1618.7 (1995)	1660.0	1644.4	(1596.5/1620)	1607.5	1617.0	1620.0	1617.90	0.04	22,369,000	83,000	68,500	73,300	100.0	3,534,965	82.2	1617.5	1618.7	1618.7	
BB	Big Bend Dam	1422.1 (1991)	1440.0	1433.6	(1385/1423)	1420.0	1422.0	1423.0	1419.43	-0.58	1,589,000	65,000	80,700	73,000	98.0	0	0.0	1422.0	1422.0	1423.0	
FR	Fort Randall Dam	1372.2 (1997)	1395.0	1379.3	(1346/1375)	1350.0	1365.0	1375.0	1356.75	0.77	3,682,000	100,000	63,800	66,000	100.0	557,632	24.3	1365.0	1370.0	1372.0	
GP	Gavins Point Dam	1210.7 (1960)	1234.0	1221.4	(1180/1210)	1204.5	1208.0	1210.0	1206.60	0.11	359,000	61,000	80,000	62,000	100.0	37,029	24.9	1210.0	1210.0	1210.7	
SYSTEM											68,178,000										

Note:

Note: Pool elevations are previous midnight reading. Inflows and releases are previous day's daily average.



MBRFC 24-Hour Gage Biased Estimated Rainfall (inches)

Ending: 5/26/2011 at 7:00AM CDT

Created 5/26/2011 at 7:17 AM CDT



US Army Corps
of Engineers
Omaha District

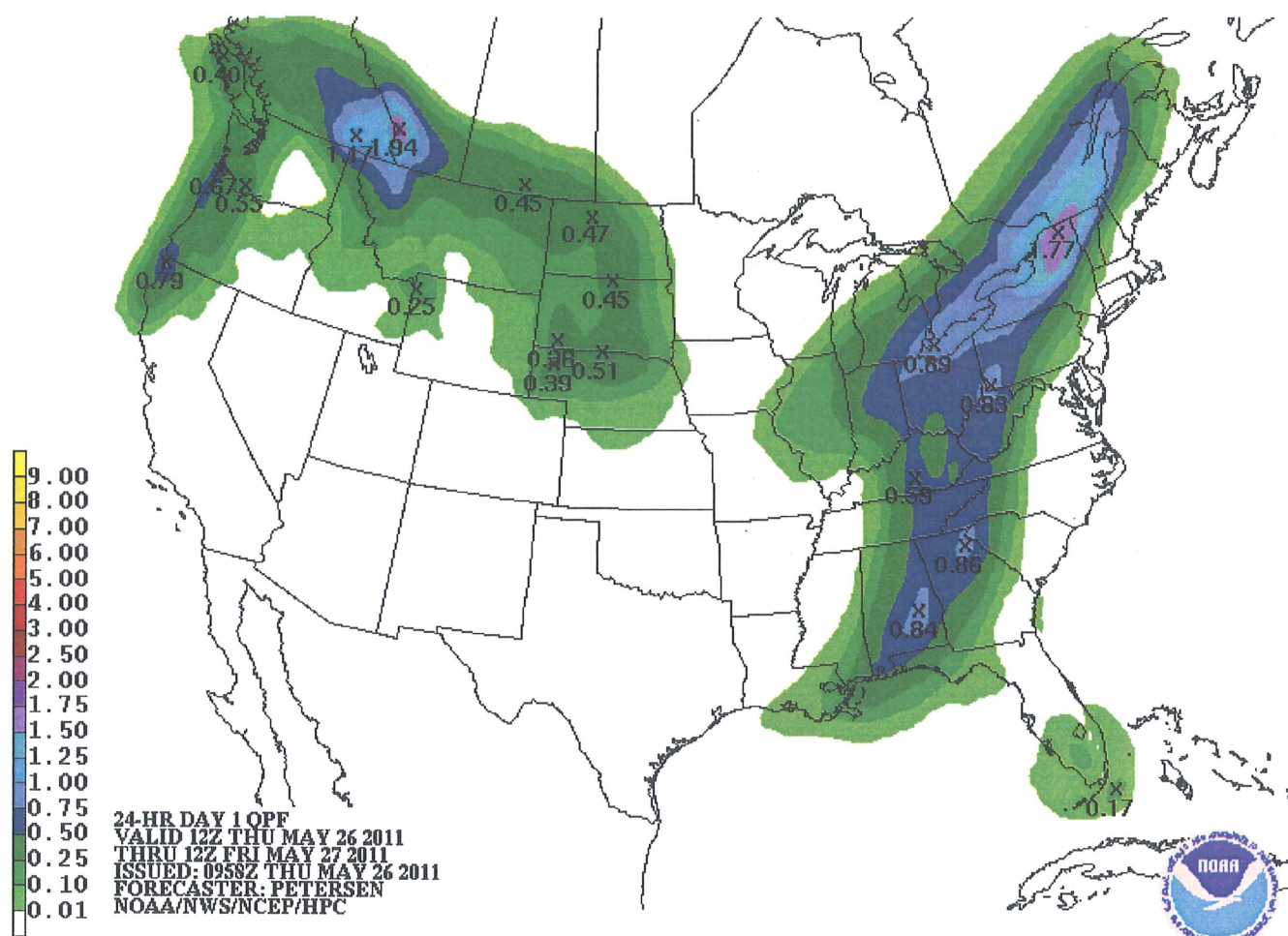
U.S. Army Corps of Engineers, Omaha District

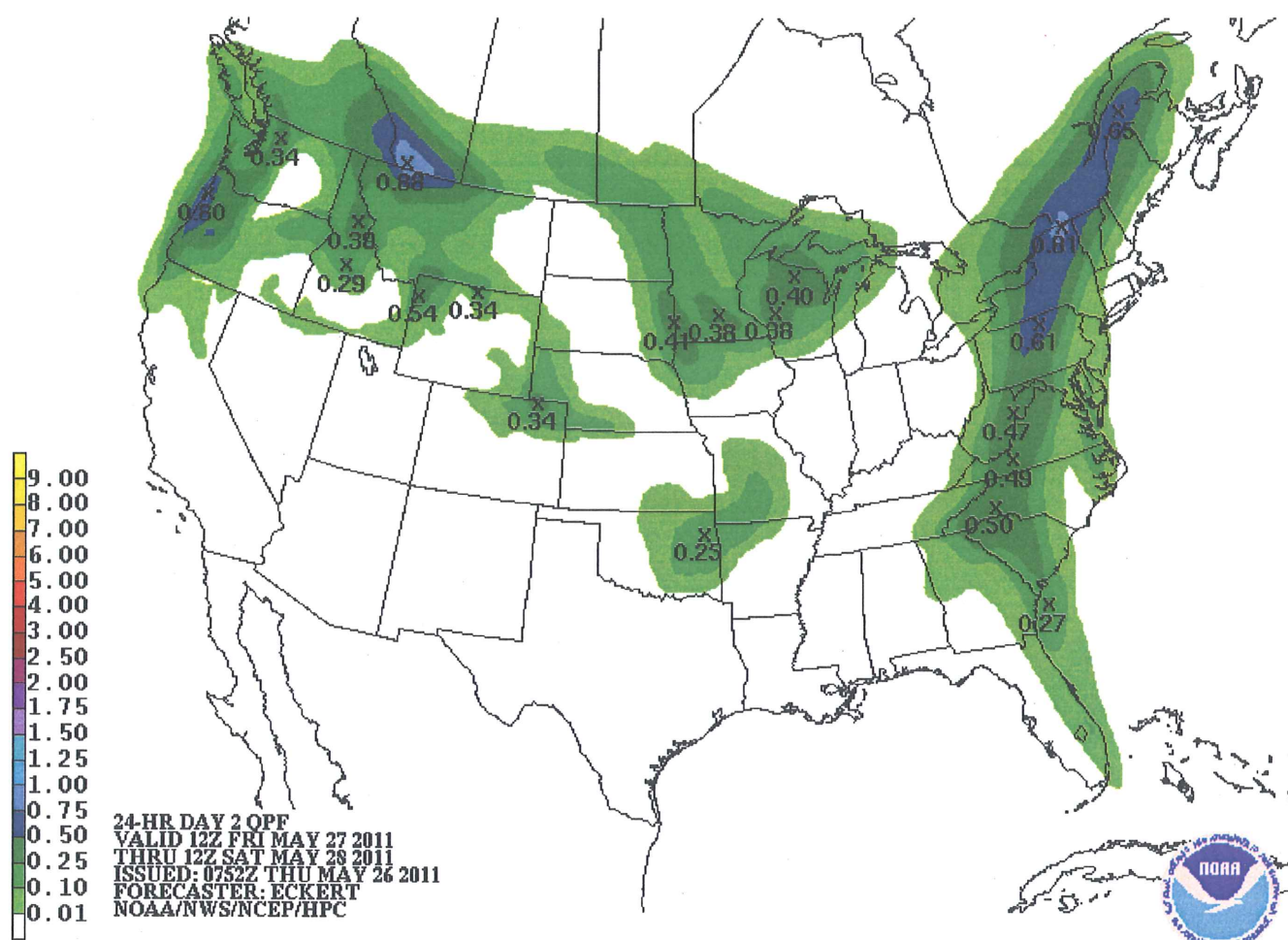
Missouri River Basin Mainstem and Tributary Reservoir Bulletin

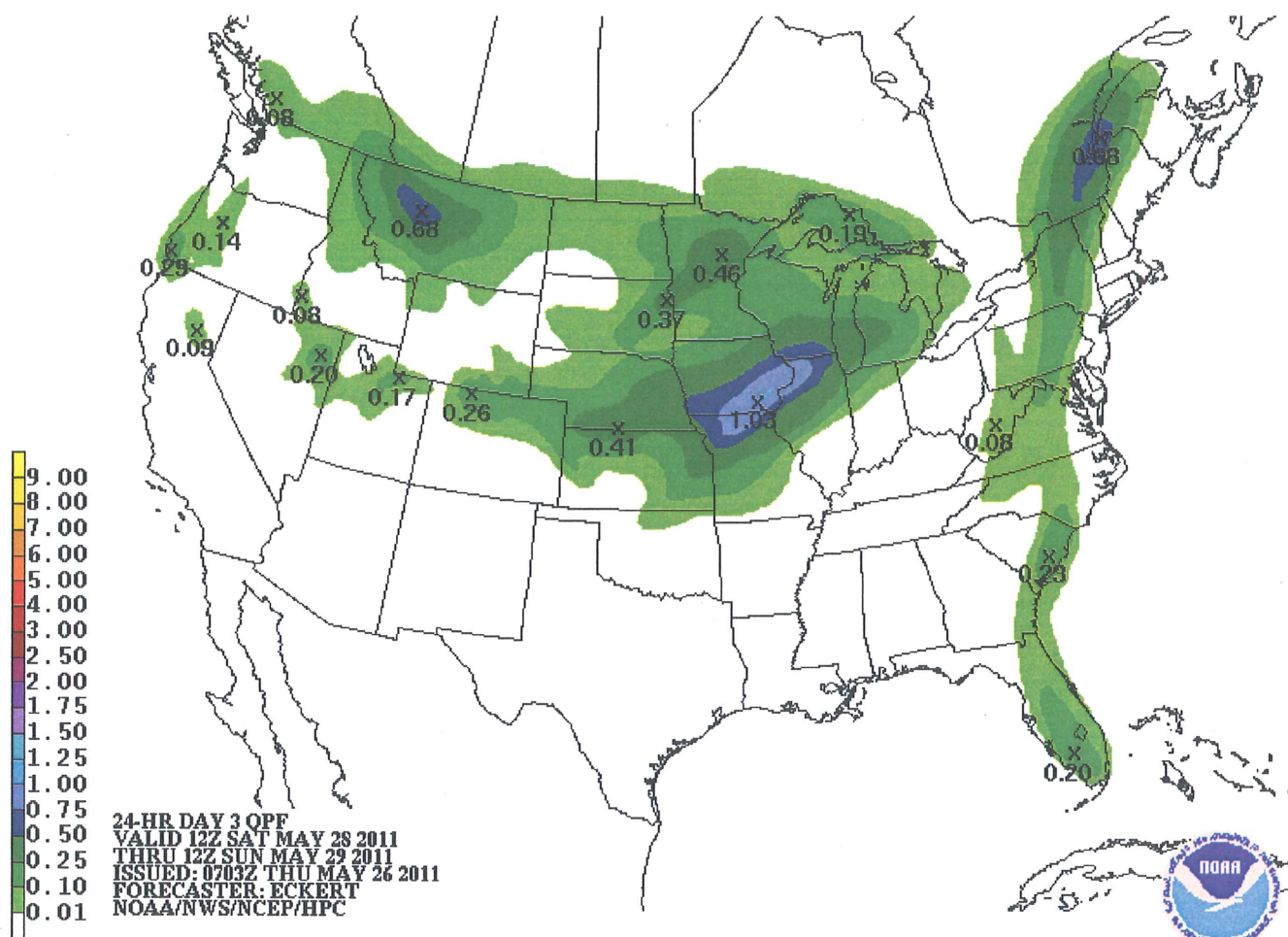
Project Data Date/Time: 05/26/11 12:00 AM

Bulletin Updated: 5/26/11 11:50 AM

Project	Project Information				Current Data					Occupied Storage		
	Elevations (ft msl)		Storage		Elevation (ft msl)	Dly Elev. Change	Storage (ac-ft)	Inflow (dsf)	Release (dsf)	MP (%)	FC (ac-ft)	FC (%)
	MP	FC	MP	FC								
MRR - Missouri River Mainstem Projects												
*Please note Mainstem and USBR data is calculated manually and will populate before 12:00 p.m.												
Fort Peck	2234.0	2250.0	14,995,684	18,687,731	2245.77	0.50	17,448,000	72,000	10,200	100.0	2,452,316	66.4
Garrison	1837.5	1854.0	18,109,625	23,820,730	1851.12	0.42	22,732,000	148,000	73,400	100.0	4,622,375	80.9
Oahe	1607.5	1620.0	18,834,035	23,136,960	1617.90	0.04	22,369,000	83,000	68,500	100.0	3,534,965	82.2
Big Bend	1420.0	1423.0	1,621,484	1,798,614	1419.43	-0.58	1,589,000	65,000	80,700	98.0	0	0.0
Fort Randall	1350.0	1375.0	3,124,368	5,418,186	1356.75	0.77	3,682,000	100,000	63,800	100.0	557,632	24.3
Gavins Point	1204.5	1210.0	320,971	469,928	1206.60	0.11	358,000	61,000	60,000	100.0	37,029	24.9
System Totals							68,178,000					
NWO - USBR Section 7 Projects												
Tiber	2993.0	3012.5	925,649	1,328,723	2987.05	0.65	823,074	5,984	831	88.9	0	0.0
Clark Canyon	5546.1	5560.4	174,367	253,442	5544.97	0.11	168,514	719	435	96.6	0	0.0
Canyon Ferry	3797.0	3800.0	1,891,888	1,992,977	3778.72	0.39	1,322,660	19,463	14,288	69.9	0	0.0
Boysen	4725.0	4732.2	741,594	892,226	4708.90	-0.29	477,483	2,363	4,206	64.4	0	0.0
Buffalo Bill	5393.5	5393.5	646,565	646,565	5347.35	0.32	321,819	5,275	4,331	49.8	-	-
Yellowtail	3640.0	3657.0	1,070,000	1,328,000	3622.83	3.5	850,738	17,626	4,204	79.5	0	0.0
Jamestown	1429.8	1454.0	31,510	221,000	1448.48	-0.28	153,730	-108	1,475	100.0	122,220	64.5
Heart Butte	2064.4	2094.5	67,000	214,000	2068.98	-0.18	82,755	2,153	2,488	100.0	15,755	10.7
Keyhole	4099.3	4111.5	194,000	334,000	4096.08	0.28	160,038	1,170	0	82.5	0	0.0
Pactola	4580.2	4621.5	56,000	99,000	4582.98	0.55	58,376	552	307	100.0	2,376	5.5
Shadehill	2271.9	2302.0	120,000	350,000	2274.44	0.12	132,832	2,197	1,872	100.0	12,832	5.6
Glendo	4635.0	4653.0	518,000	790,000	4631.13	0.51	471,545	8,212	5,305	91.0	0	0.0
NWO - USACE Tributary Projects												
Bowman-Haley	2754.8	2777.0	18,765	91,482	2757.28	-0.31	23,441	303	624	100.0	4,676	6.4
Pipestem	1442.5	1496.3	8,944	142,107	1486.78	-0.04	102,946	78	400	100.0	94,002	70.6
Chatfield	5432.0	5500.0	27,428	234,207	5432.05	-0.03	27,488	100	126	100.0	60	0.0
Cherry Creek	5550.0	5598.0	12,805	133,134	5550.19	0.03	12,959	70	56	100.0	154	0.1
Bear Creek	5558.0	5635.5	1,882	30,586	5558.51	-0.03	1,936	36	31	100.0	54	0.2
Papio #11	1121.0	1142.0	3,054	16,907	1121.67	0.13	3,317	35	10	100.0	263	1.9
Papio #16	1104.0	1121.0	1,211	4,782	1104.98	0.22	1,335	27	13	100.0	124	3.5
Papio #18	1110.0	1128.2	2,916	10,512	1092.20	0.00	262	2	2	9.0	0	0.0
Papio #20	1095.8	1113.1	2,536	8,611	1096.45	0.09	2,680	27	10	100.0	144	2.4
Cottonwood	3875.0	3936.0	655	8,385	3856.51	0.00	0	0	0	0.0	0	0.0
Cold Brook	3585.0	3651.4	520	7,200	3582.57	0.01	434	0	0	83.5	0	0.0
Lake Audubon	1847.0	1847.0	323,690	323,690	1846.81	0	INFLOW AND OUTFLOW NOT CALCULATED					
Lake Pocasse	1617.0	1617.0	11,000	11,000	POOL ELEVATION READ MONTHLY BY PROJECT OFFICE							
Salt Creek #02	1335.0	1350.0	1,100	4,957	1333.95	0.02	937	2	0	85.1	0	0.0
Salt Creek #04	1307.4	1322.5	2,531	9,660	1307.32	0.04	2,506	7	0	99.0	0	0.0
Salt Creek #08	1287.8	1302.0	1,780	8,375	1289.34	1.0	2,225	175	23	100.0	445	6.8
Salt Creek #09	1271.1	1285.0	1,451	5,864	1271.58	0.06	1,545	11	5	100.0	94	2.1
Salt Creek #10	1244.9	1262.0	1,629	7,468	1245.76	-0.03	1,815	9	12	100.0	186	3.2
Salt Creek #12	1232.9	1252.0	1,808	9,415	1233.81	-0.10	2,008	14	25	100.0	200	2.6
Salt Creek #13	1341.0	1355.0	2,161	7,182	1341.72	-0.13	2,335	10	27	100.0	174	3.5
Salt Creek #14	1244.3	1263.5	7,500	27,597	1245.09	-0.11	8,079	4	46	100.0	579	2.9
Salt Creek #17	1242.4	1266.0	783	6,628	1242.93	-0.03	873	5	7	100.0	90	1.5
Salt Creek #18	1284.0	1311.0	25,088	96,759	1285.22	-0.07	27,386	58	127	100.0	2,298	3.2







2011 Flood Event

Bismarck / Mandan, ND

This map represents the impact of a flow rate of 120,000 CFS in the communities of Bismarck, Burleigh County, Mandan and Morton County. A flow of 120,000 CFS through Bismarck is approximately a river flood stage of 20'.

Legend

May 26, 2011 at 3:30 PM

★ Sand Bag Filling Sites

— Existing Levees

Planned Levees

— Primary Levees

--- Secondary Levees

▨ Areas to be Protected by Levees

Areas Not Protected



1:48,000

1 inch = 4,000 feet

0 2,000 4,000 8,000 Feet



Approximate Levee Quantities
7.2 miles of earthen levee
6 feet is average levee height
240,000 cubic yds of cohesive material

--- Preliminary planning only

✕ Non USACE Effort

NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 8:44 PM
To: CENWD-EOC NWD; McNeil, Rye A SSG CONTRACTOR @ NWD; Tipton, Robert A Col NWD; Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] ULA@NWD; Farhat, Jody S NWD02
Subject: FW: Bismarck ND Levee Alignments 120 kcfs (UNCLASSIFIED)
Attachments: BismarckNDLeveeAlignments120kcfs.pdf

Classification: UNCLASSIFIED
Caveats: NONE

Folks,

Here's a sketch of emergency levees being planned around Bismarck, ND. Rough Order of Magnitude (ROM) is 5 miles at 7' high for \$10M. The CG should get a copy from Omaha upon his arrival there.

John

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 5:46 PM
To: [REDACTED] HQ02; [REDACTED] NWD
Subject: FW: Bismarck ND Levee Alignments 120 kcfs (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

Please find attached the mapping that shows the current plan in the Mandan and Bismarck, ND areas. The orange hatched areas show the flooding that is being prevented from the temporary measures. Ignore the red dotted lines as they were put in there during the planning phases and forgot to take them out. Please let me know if you have any additional questions. |

Thanks,

[REDACTED]

Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[\[REDACTED\]@usace.army.mil](mailto:[REDACTED]@usace.army.mil)

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:43 PM
To: [REDACTED] NWO
Subject: Bismarck ND Levee Alignments 120 kcfs (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]
Natural Disaster Program Manager, Readiness Branch U.S. Army Corps of Engineers, Omaha District

1616 Capitol Ave, Ste 9000 (Attn: CENWO-OD-E) Omaha, NE 68102-9000

Phone: ([REDACTED])

Cell: ([REDACTED])

Fax: ([REDACTED])

[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

2011 Flood Event

Bismarck / Mandan, ND

This map represents the impact of a flow rate of 120,000 CFS in the communities of Bismarck, Burleigh County, Mandan and Morton County. A flow of 120,000 CFS through Bismarck is approximately a river flood stage of 20'.

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May 26, 2011 at 3:30 PM

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— Existing Levees

Planned Levees

— Primary Levees

--- Secondary Levees

▨ Areas to be Protected by Levees

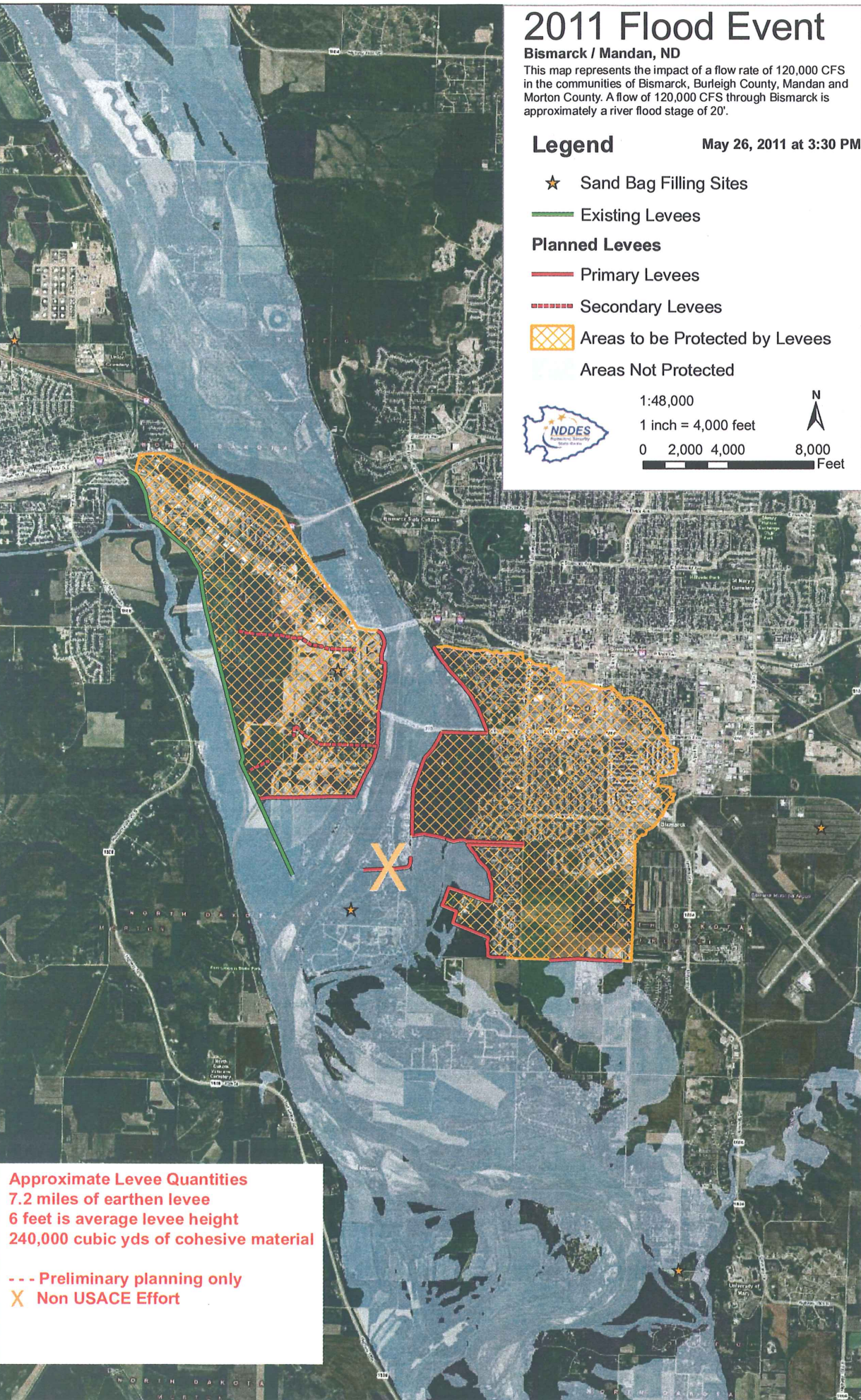
Areas Not Protected



1:48,000

1 inch = 4,000 feet

0 2,000 4,000 8,000 Feet



Approximate Levee Quantities
7.2 miles of earthen levee
6 feet is average levee height
240,000 cubic yds of cohesive material

--- Preliminary planning only

X Non USACE Effort

NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 8:43 PM
To: [REDACTED] NWO; Farhat, Jody S NWD02
Cc: Jordano, James J LTC NWO
Subject: Re: BIA/DOI

Not to add to the ever growing workload but, has thought been given to do a Federal Agency's Briefing to keep everyone updated.....Joel

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: [REDACTED] NWO; Farhat, Jody S NWD02
Sent: Thu May 26 18:38:50 2011
Subject: BIA/DOI

[REDACTED] Jody,

I just got off the phone with Secretary Whiely, he is asking if we could share projections and Tribal Response efforts/issues with him. I told him I would look into this and get back to him. Thoughts/comments/recommendations would be greatly appreciated. It would appear that DOI/BIA are realizing this is uncharted territory and trying to figure out how to best assist/support.....Joel

Message sent via my BlackBerry Wireless Device

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 8:39 PM
To: [REDACTED] NWO; Farhat, Jody S NWD02
Subject: BIA/DOI

[REDACTED]/Jody,

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Message sent via my BlackBerry Wireless Device

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 8:31 PM
To: [REDACTED] NWD
Cc: Farhat, Jody S NWD02; Anderson, G Witt NWD
Subject: RE: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)
Attachments: MRBWM NWD CMT brief 16 May 2011.pptx

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

If we can get drafts by COB tomorrow then that would be preferable than waiting through the weekend. I think we already have info available to do that. If not, let me know. Attached is what Jody provided on 16 MAY which HQs liked. I believe we can continue to improve upon what we have with inclusion of District assistance.

[REDACTED]

-----Original Message-----

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 5:53 PM
To: [REDACTED] NWD
Cc: Farhat, Jody S NWD02; Anderson, G Witt NWD
Subject: Re: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

John, per discussions with you and COL Tipton, we are working on ~3 slides for Col that show runoff forecast situation, reservoir storage, and streamflow. We'll run a draft past you and others for review by Mon so we can revise as needed and get to HQ by Tues if that works. Do we already have a set of slides for Missouri that pass muster for HQ, if so please provide as an example. Also, I will be on helo trip Tues pm at 1530 so Karl or Steve will cover this for me.

Thanks

----- Original Message -----

From: [REDACTED] NWD
To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Cenwk-EOC NWK; CENWO-EOC NWO; CENWP-EOC NWP; CENWS-EOC NWS; CENWW-EOC NWW; [REDACTED] NWS; [REDACTED] NWK; [REDACTED] NWP; [REDACTED] NWD; Schenk, Kathryn M NWO; [REDACTED] NWW
Sent: Thu May 26 17:46:22 2011
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Folks,

Reference discussions today on "storyboarding" what's happening within our flood basins, here's what MVD was providing to HQs to help "paint the picture." I believe we already have some good products on hand as well as the information available to tell the NWD flood fight story. This should be easy enough for daily updates. I'm available to discuss.

John

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Missouri River Basin

Annual Runoff above Sioux City, IA

2011 (May 1 Forecast) = 44.0 MAF (178% of normal)

1997 = 49.0 MAF

1978 = 40.6 MAF

2010 = 38.7 MAF

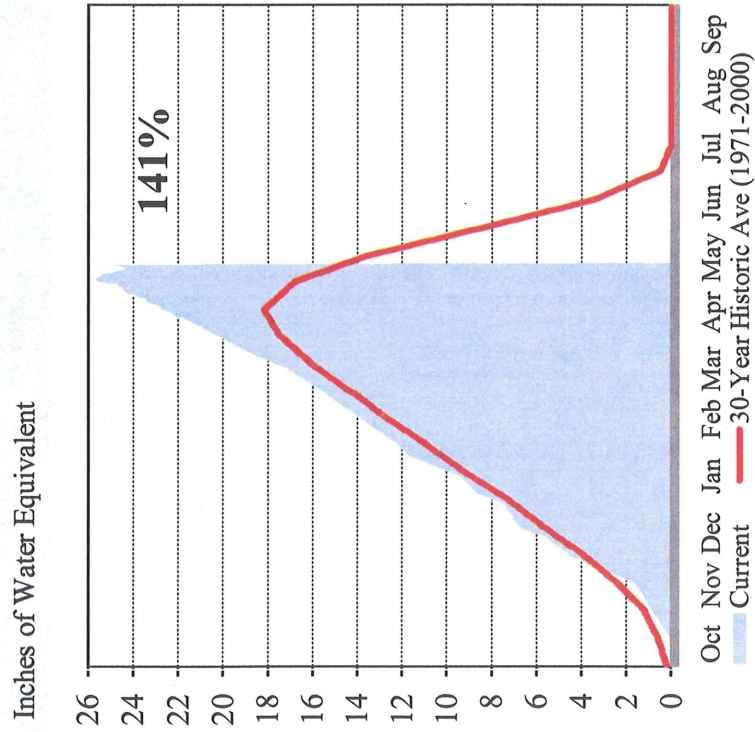
Normal = 24.8 MAF



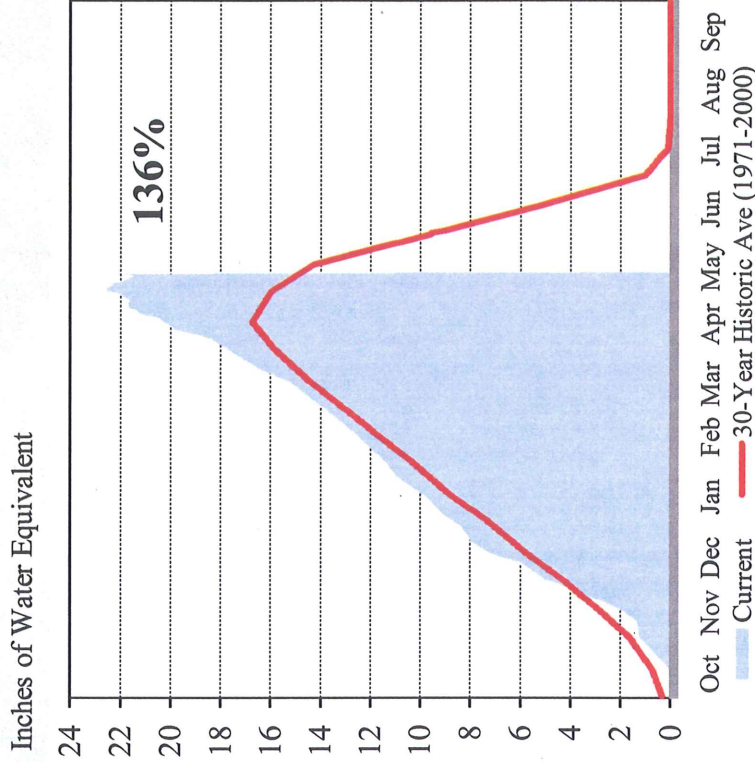
BUILDING STRONG®

Missouri River Basin Mountain Snowpack Water Content 2010 - 2011

Total above Fort Peck



Total Fort Peck to Garrison

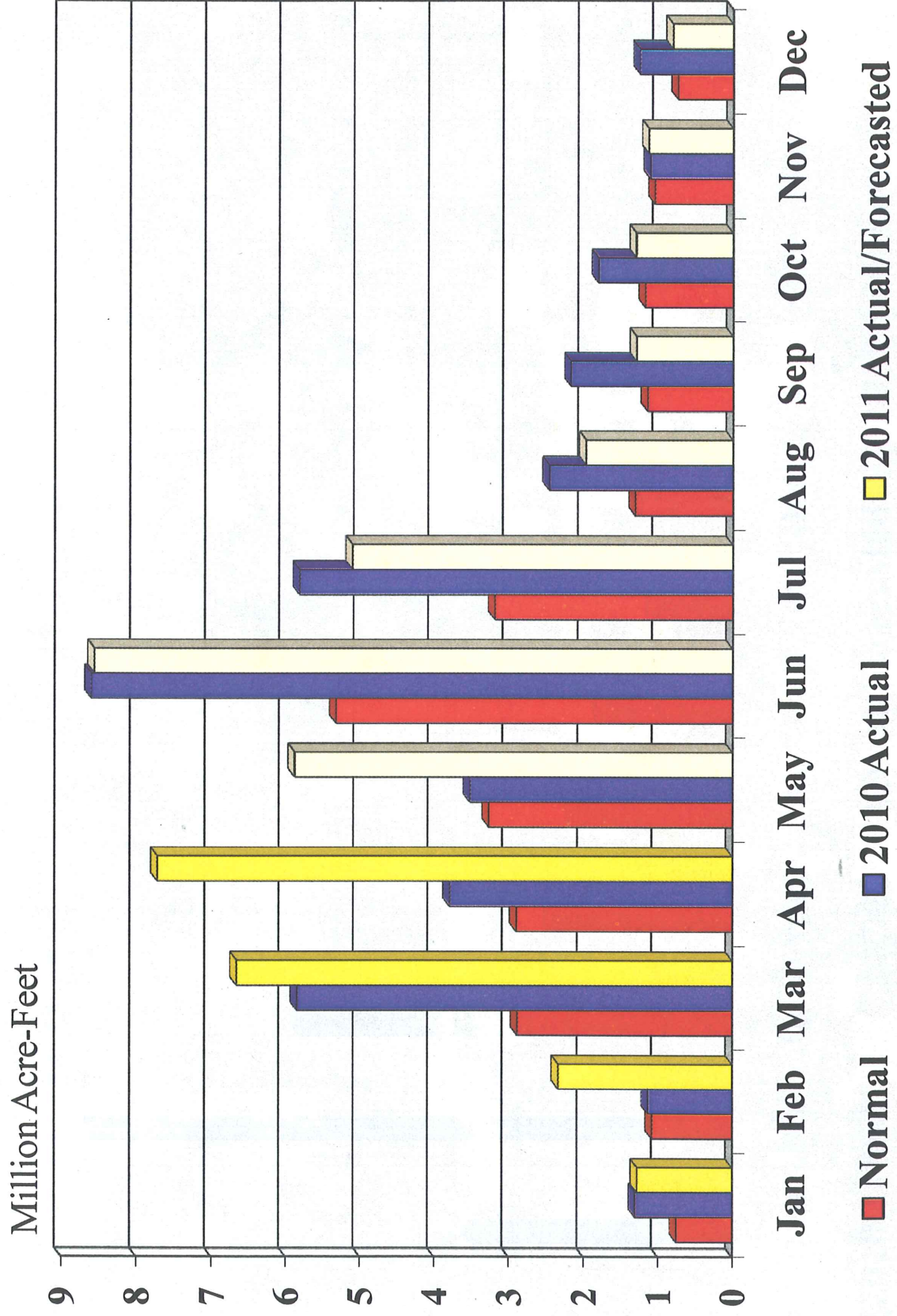


The reach above Fort Peck appears to have crested at 141 percent of the normal peak accumulation.

The reach between Fort Peck and Garrison appears to have crested at 136 percent of the normal peak accumulation.

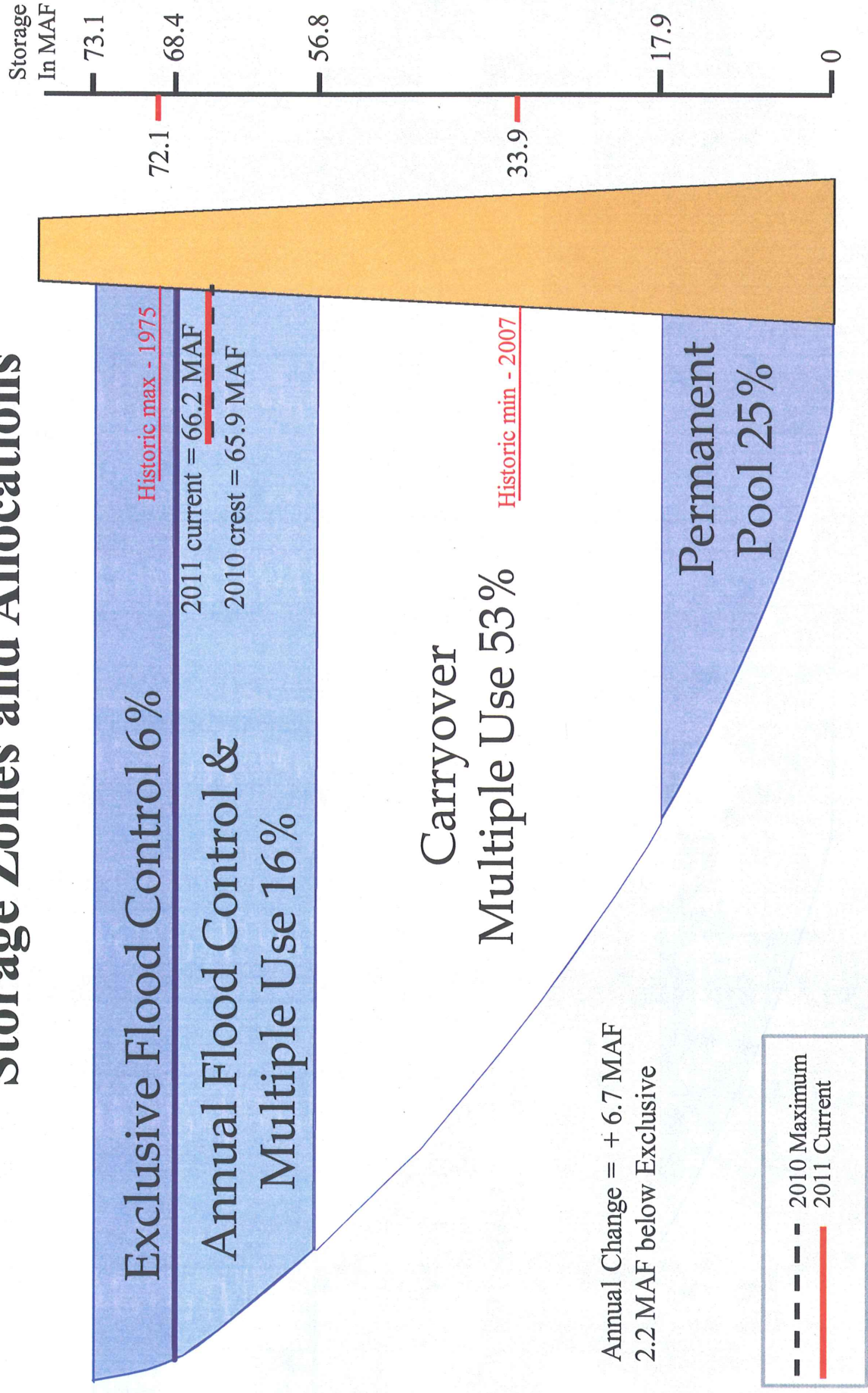


Missouri River Runoff above Sioux City 2010 Actual and 2011 Actual/Forecasted



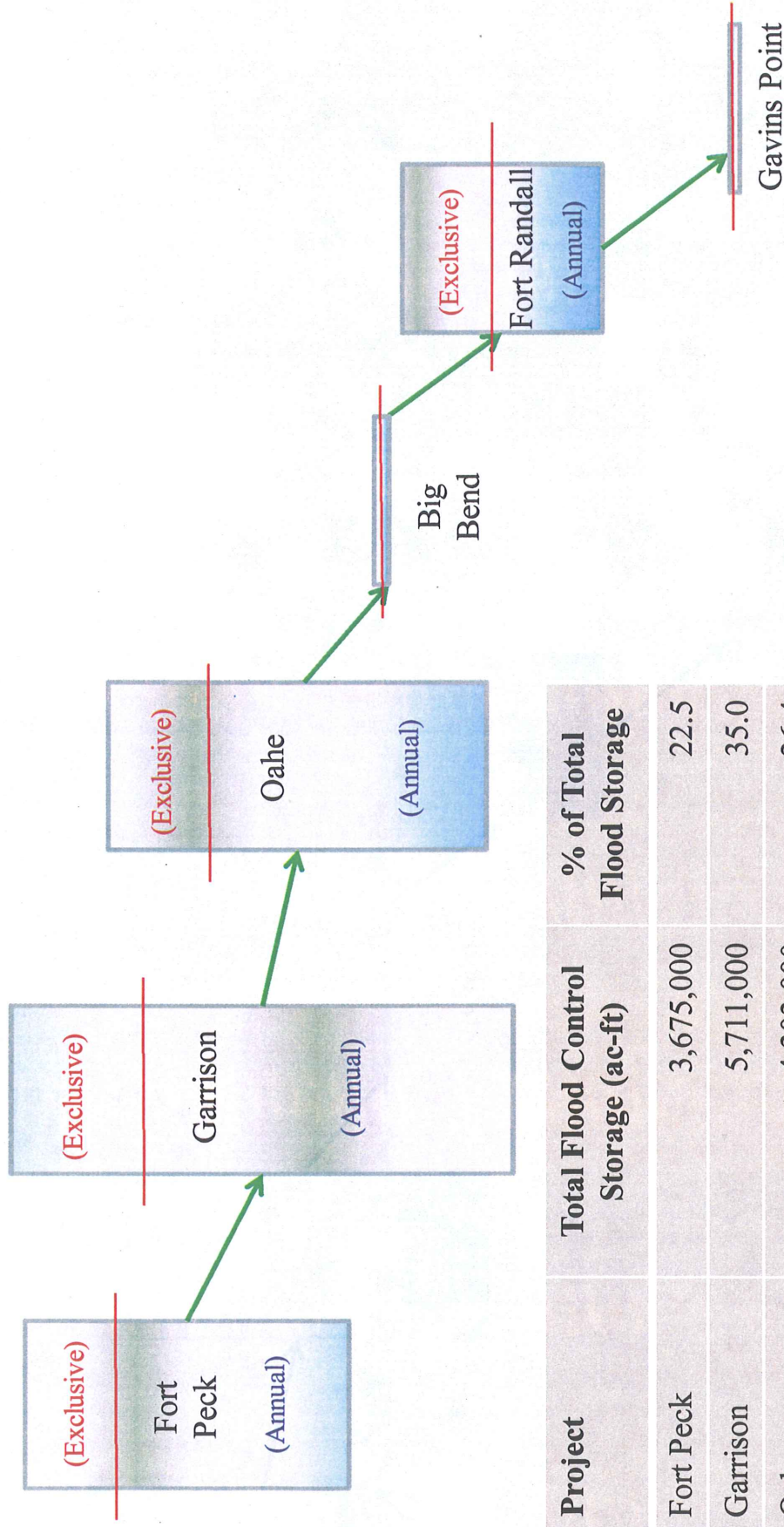
Missouri River Mainstem System

Storage Zones and Allocations



Missouri River Mainstem Reservoir System

Flood Control Storage

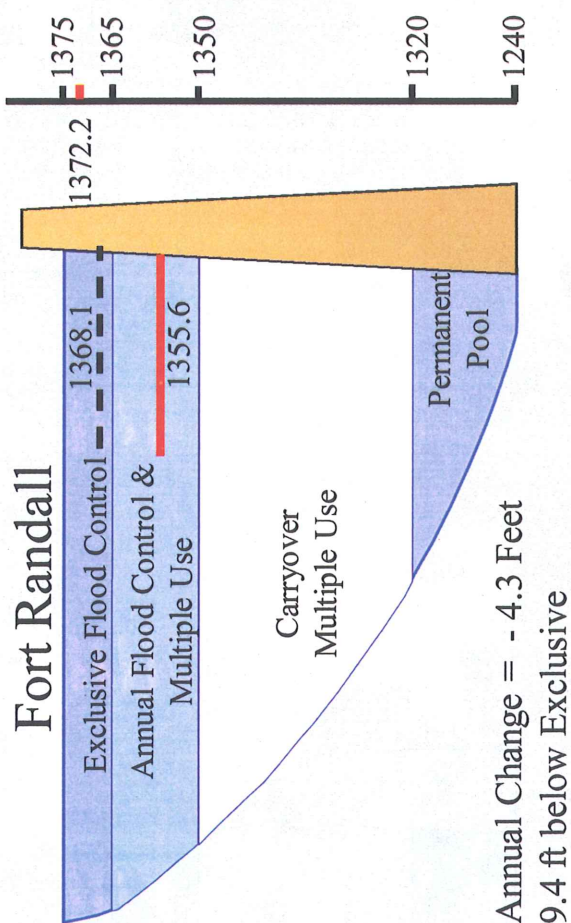
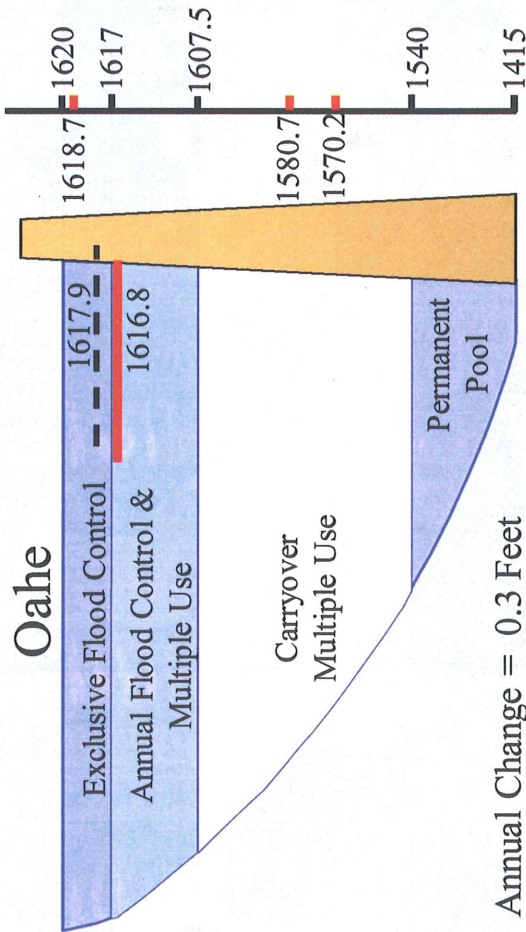
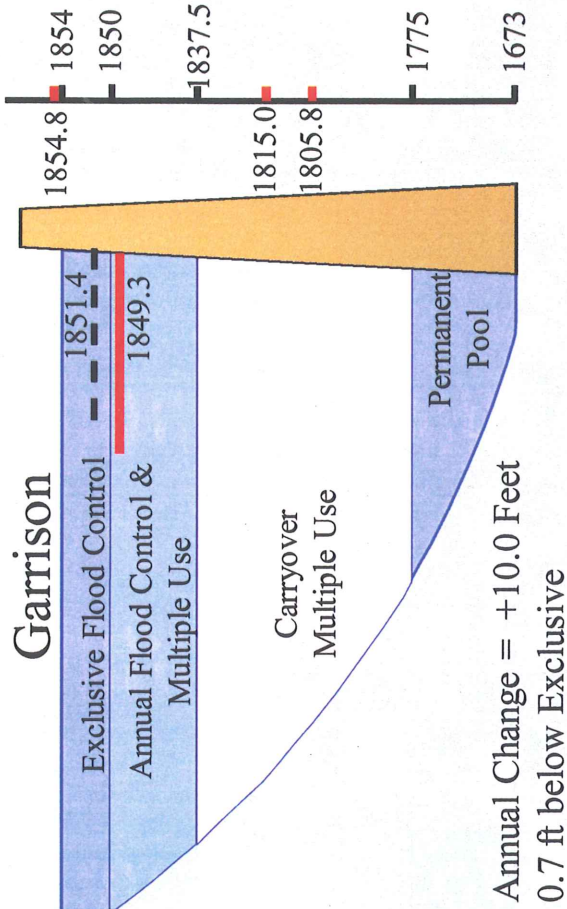
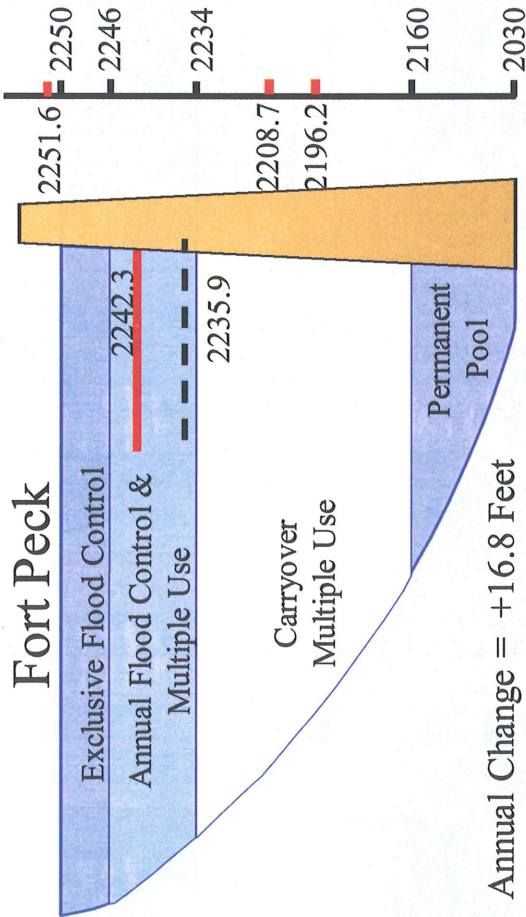


The shapes are to scale and represent the relative size of the total flood control storage (annual + exclusive) at the six mainstem projects.

Project	Total Flood Control Storage (ac-ft)	% of Total Flood Storage
Fort Peck	3,675,000	22.5
Garrison	5,711,000	35.0
Oahe	4,303,000	26.4
Big Bend	177,000	1.1
Fort Randall	2,294,000	14.1
Gavins Point	143,000	0.9
Total System	16,303,000	100.00

Mainstem Reservoir Levels

16 May 2011



Current and Forecasted Conditions

- **Fort Peck**
 - ▶ Reservoir forecast to crest 2 feet into the Exclusive Flood Control Zone which extends from 2246 feet to 2250 feet
 - ▶ Current total release = 20,000 cfs
 - 10,000 cfs through the spillway
 - Use of outlet tunnels is not recommended
- **Garrison**
 - ▶ Reservoir forecast to crest 2 feet into the Exclusive Flood Control Zone which extends from 1850 feet to 1854 feet
 - ▶ Current total release = 50,000 cfs, expected to increase to 55,000 this week
 - 20,000 cfs through the outlet tunnels
 - Spillway has never been used
 - ▶ Lowland flooding occurring in Bismarck area
 - Coordinating releases with state, county, and municipal agencies and the National Weather Service



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Current and Forecasted Conditions (cont'd)

- Oahe
 - ▶ Reservoir just below the base of Exclusive Flood Control Zone which extends from 1617 feet to 1620 feet
 - Intention is to reserve Exclusive Zone for use in the event of a *significant* downstream flood event
 - ▶ Current total release is scheduled at 57,000 cfs
 - 19,000 cfs through the outlet tunnels
 - Spillway has never been used
 - WAPA routinely not meeting schedule due to use of Oahe for control of balancing area
- Big Bend
 - ▶ Normal operations
 - Project has essentially no flood control storage



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Current and Forecasted Conditions (cont'd)

■ Fort Randall

- ▶ Reservoir near normal summer elevation
 - Intention is to reserve flood storage in this project for use in the event of a *significant* downstream flood event
- ▶ Current release = 56,000 cfs
 - 24,000 cfs through the spillway
 - Outlet tunnels available, but not being used currently
- ▶ Lowland flooding in reach below project

■ Gavins Point

- ▶ Reservoir near normal summer elevation
 - Project has essentially no flood control storage
- ▶ Current Release = 57,500 cfs
 - Including 25,000 cfs through the spillway

■ Lower Missouri River

- ▶ Below flood stage in reach above Platte River
- ▶ At or slightly above flood stage from Platte River to Kansas City
- ▶ Below flood stage from Kansas City to the mouth



BUILDING STRONG®

Fort Peck Spillway Flows

10,000 cfs

11 May 2011



BUILDING STRONG®

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 7:53 PM
To: [REDACTED] NWD
Cc: Farhat, Jody S NWD02; Anderson, G Witt NWD
Subject: Re: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

John, per discussions with you and COL Tipton, we are working on ~3 slides for Col that show runoff forecast situation, reservoir storage, and streamflow. We'll run a draft past you and others for review by Mon so we can revise as needed and get to HQ by Tues if that works. Do we already have a set of slides for Missouri that pass muster for HQ, if so please provide as an example. Also, I will be on helo trip Tues pm at 1530 so Karl or Steve will cover this for me.

Thanks

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From: [REDACTED] NWD
To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED]
NWD; [REDACTED] NWD; Cenwk-EOC NWK; CENWO-EOC NWO; CENWP-EOC NWP; CENWS-EOC NWS;
CENWW-EOC NWW; [REDACTED] NWS; [REDACTED] NWK; [REDACTED] NWP; [REDACTED] NWD;
Schenk, Kathryn M NWO; [REDACTED] NWW
Sent: Thu May 26 17:46:22 2011
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Folks,

Reference discussions today on "storyboarding" what's happening within our flood basins, here's what MVD was providing to HQs to help "paint the picture." I believe we already have some good products on hand as well as the information available to tell the NWD flood fight story. This should be easy enough for daily updates. I'm available to discuss.

[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 7:46 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Cenwk-EOC NWK; CENWO-EOC NWO; CENWP-EOC NWP; CENWS-EOC NWS; CENWW-EOC NWW; [REDACTED] NWS; [REDACTED] NWK; [REDACTED] NWP; [REDACTED] NWD; Schenk, Kathryn M NWO; [REDACTED] NWW
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)
Attachments: MVD Flow slides as of 0800 26May11.pptx

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[REDACTED]

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Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 5:44 PM
To: [REDACTED] NWD
Cc: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED]
Subject: NWO; Farhat, Jody S NWD02
Attachments: Audubon MOU (UNCLASSIFIED)
Audubon Lake LOU.pdf

FYI attached is MOU on Lake Audubon operations.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

LETTER OF UNDERSTANDING
BETWEEN
BUREAU OF RECLAMATION, FISH AND WILDLIFE SERVICE,
NORTH DAKOTA GAME AND FISH DEPARTMENT, AND CORPS OF ENGINEERS
CONCERNING INTERIM OPERATING PROCEDURES FOR
WATER LEVEL MANAGEMENT IN AUDUBON LAKE

This Letter of Understanding describes procedures for operating Audubon Lake. It has been developed pursuant to the Garrison Diversion Reformulation Act of 1986 and in accordance with the James River Comprehensive Report and most recent environmental statements. These procedures are established to sustain the substantial fish, wildlife, and recreational values at the lake in concert with Garrison Diversion Unit project operations. This letter supersedes the agreement of July 31, 1991.

The following normal interim operating procedures are agreed to:

1. The Bureau of Reclamation (Reclamation) shall operate the Snake Creek Pumping Plant to fill Audubon Lake to elevation 1847.2 after ice out each year. Initiation of filling shall be agreed to by the Audubon Lake Coordination Team (attachment No. 1, Contacts/Team Members) as fish spawning, waterfowl nesting, climatic conditions, and/or work schedules dictate.
2. Reclamation shall operate the Snake Creek Pumping Plant to maintain Audubon Lake at elevation 1847.2 from ice out to June 1. Generally, pumping would be initiated when lake levels reach 1847.0.
3. Audubon Lake will be maintained between elevations 1846.8 to 1847.0 from June 1 until Labor Day.
 - a. Reclamation will operate Snake Creek Pumping as needed to meet the targets in No. 1 through 3. When normal targets are exceeded, releases will be made to lower the lake back down to target within 7 to 10 days.
 - b. Reclamation shall provide daily pumping operational records for periods of pumping to the Reservoir Control Center, Missouri River Division, Corps of Engineers and to the Audubon Lake Coordination Team.
4. After Labor Day the lake will be drawn down by a uniform release rate through the conduit under Highway 83 to achieve an Audubon Lake elevation of 1845.0 by November 15. This release rate is estimated at 250 ft³/s. After November 15 the lake will recede to about elevation 1844.5 through a 40 ft³/s release down the McClusky Canal and losses to evaporation.

a. Exception. If the level of Lake Sakakawea drops below elevation 1775.0 ft msl, the head differential between Lake Sakakawea and Lake Audubon is out of the operating range of the Lake Audubon Pumping Plant, thereby precluding the ability to refill Lake Audubon. If this occurs, the drawdown of Lake Audubon to elevation 1845.0 ft msl will be suspended for that year.

5. Due to the implementation of mitigation measures at Audubon it will be necessary to deviate from the normal procedures from time to time. Special operations may also be recommended to facilitate fish and wildlife management objectives.

The following procedures for deviating from normal operating procedures are agreed to:

a. Plans for deviation from the normal operating criteria shall be forwarded to the various agencies (signatories to this agreement) at least 30 days prior to special operations. Such plans shall contain a statement of the need and purpose for special operations; a concise statement of the operational plans, including dates and elevation targets; and a request for concurrence. An example of such a request is provided in attachment No. 2.

b. If one or more agencies do not concur with the deviation in operations the requesting agency shall notify the Audubon Oversight Committee (attachment No. 1). The Oversight Committee shall attempt to resolve any differences; if unsuccessful, the Oversight Committee shall escalate the unresolved issues to their respective superiors for resolution.

The undersigned concur on this 22nd day of May, 1996, with the provision and conditions of this agreement as described above. This Letter of Understanding may be cancelled by any of the parties signature hereto by 60-days notice to the other agencies. Modifications to this agreement may be made by mutual agreement.


Commissioner
North Dakota Game & Fish Department


Division Engineer
U.S. Army Corps of Engineers


Field Supervisor North Dakota & South
Dakota Fish and Wildlife Service


Area Manager
U.S. Bureau of Reclamation

Attachment No. 1 - Contacts/Team Members

Attachment No. 2 - Request for Special Operations, Fall 1991

CONTACTS/TEAM MEMBERS

Audubon Lake Coordination Team

[REDACTED]
Garrison Diversion Unit Coordinator
North Dakota Game and Fish Department
100 North Bismarck Expressway
Bismarck, North Dakota 58501

[REDACTED]
Operation and Maintenance Branch
U.S. Bureau of Reclamation

[REDACTED]
Refuge Manager
Audubon National Wildlife Refuge
Coleharbor, North Dakota 58531

U.S. Army Engineer District, Omaha
ATTN: CEMRO-ED-HC (Lincoln)
215 N. 17th Street
Omaha, Nebraska 68102-4978

Audubon Oversight Committee

U.S. Bureau of Reclamation	- Tim Keller
U.S. Fish and Wildlife Service	- Al Sapa
Garrison Diversion Conservancy District	- Steve Hoetzer
North Dakota Game and Fish Department	- Mike McKenna
North Dakota State Water Commission	- Dale Frink
U.S. Army Corps of Engineers	- Tim Temeyer

U.S. Army Corps of Engineers
P.O. Box 517
Riverdale ND 58565

Subject: Deviation from Normal Operating Plan for Audubon Lake - September 3, 1991 to March 1992

In accordance with the Letter of Understanding for Interim Operations of Audubon Lake, I am requesting concurrence for the following deviations from normal operations:

1. Beginning September 3, 1991, lower Audubon Lake to 1844.0 by October 1, 1991. This will require an opening of about 4.8 feet to achieve a flow of 1000 ft³/s, based upon an initial head differential of 27.0 feet (Sakakawea, 1820.0; Audubon, 47.0). To secure aerial topography and collect miscellaneous field data this drawdown rate is about three times faster than normal.
2. Upon completion of photography and field activities (November 1991) pump to elevation 1844.0. This is 1 foot lower than normal, and is required to allow placing of gravel for fish spawning substrate between elevations 1844.0 and 1846.0 in conjunction with the construction of island stabilization measures. An elevation no less than 1844.5 is required for construction activities this winter. The lower elevation will make for easier and less costly construction of the North Dakota Game and Fish Department breakwater dikes (measure No. 4).
3. Upon completion of construction activities, March 1, 1992 and no sooner than the close of ice fishing, refill (pump) to elevation 1844.5. Reason - Normal winter level in March is 1844.5. This action will reduce the time needed to reach elevation 1847.2 at ice out.
4. Resume normal operations at ice out.

This proposal has been discussed by the Audubon Interagency Study Team and was concurred in at the June 27, 1991, meeting. If you concur with this operation, please indicate by signing below and return a copy to our office.

cc: Mr. C. Emerson Murry, Manager
Garrison Diversion Conservancy District
P.O. Box 140
Carrington ND 58421

Identical letter/memorandum to:

Field Supervisor, U.S. Fish and Wildlife Service, 1500 Capitol Avenue, Bismarck, North Dakota 58501
Commissioner, North Dakota Game and Fish Department, 100 North Bismarck Expressway, Bismarck, North Dakota 58501

.....
DEVIATION FROM NORMAL OPERATING PLAN - AUDUBON LAKE

CONCUR: _____

DATE: _____

NOTE: Execution of the revised operating agreement will show concurrence for the deviation from normal operations described in this sample memorandum.

NWO

From: Hofmann, Anthony J COL NWK
Sent: Thursday, May 26, 2011 5:28 PM
To: Farhat, Jody S NWD02
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

OK Jody--thanks!
COL H

Colonel Tony Hofmann, PMP
Commander, Kansas City District
U.S. Army Corps of Engineers
B.B. 816-807-0129

----- Original Message -----

From: Farhat, Jody S NWD02
To: Hofmann, Anthony J COL NWK
Sent: Thu May 26 14:24:08 2011
Subject: FW: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir - I apparently grabbed the wrong Hofmann on outlook last night. Sorry - I really meant for you to have this.

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:21 AM
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] J NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] a NWD; [REDACTED] M NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO
Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 5:18 PM
To: [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED]
R NWD02
Subject: Fw:Garrison Spill way Gate Elevations (UNCLASSIFIED)
Attachments: Spillway Gates - Elevation.pdf

FYI

Message sent via my BlackBerry Wireless Device

From: [REDACTED] NWO
To: [REDACTED] NWO; [REDACTED] NWO
Cc: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Sent: Thu May 26 14:59:14 2011
Subject: Spillway Gate Elevations (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

<<Spillway Gates - Elevation.pdf>>

Spillway Gates as of 1997, as surveyed by Merle Zook (CET and Dam Safety person at Garrison during that time). I have not come across a registered surveyor survey, this is what we have as of 1996,

[REDACTED]

Engineering Technician

US Army Corps of Engineers

PO Box 527, 201 1st Street

Riverdale, ND 58565

Office - [REDACTED]

Cell - [REDACTED]

Fax - [REDACTED]

Classification: UNCLASSIFIED

Caveats: NONE

Elevations of Spillway Gates Garrison Project

Gate	West Side Elev.	East Side Elev.
1	1854.74	1854.76
2	1854.80	1854.82
3	1854.86	1854.85
4	1854.90	1854.91
5	1854.91	1854.89
6	1854.91	1854.89
7	1854.93	1854.96
8	1854.95	1854.96
9	1854.98	1855.01
10	1854.99	1854.94
11	1855.00	1854.99
12	1854.96	1854.93
13	1854.94	1854.93
14	1854.95	1854.86
15	1854.89	1854.87
16	1854.83	1854.76
17	1854.75	1854.79
18	1854.74	1854.74
19	1854.74	1854.76
20	1854.69	1854.67
21	1854.73	1854.71
22	1854.69	1854.65
23	1854.63	1854.55
24	1854.66	1854.64
25	1854.58	1854.60
26	1854.65	1854.61
27	1854.57	1854.54
28	1854.54	1854.55

Note: These are the correct elevations for the spillway gates at the Garrison Project.

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 5:12 PM
To: [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED]
I NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: Summary of Reclamation operations holding back storage for mainstems (UNCLASSIFIED)
Attachments: 2011 mainstem relief.xlsx

Classification: UNCLASSIFIED

Caveats: NONE

Attached is a rough estimate of what we have held back at the Section 7 projects compared to what would have been released in a normal year. Some cutbacks were due to local flooding and some were due to the Corps asking Reclamation to cut back. Reclamation is doing what they can even with above average snowpack sitting above the dams.

Up to now an estimated 68 kaf have been held back with another 141 kaf to be held back in the next month.

Water Control will continue to coordinate with Reclamation and to track these numbers for reporting purposes.

[REDACTED]

Classification: UNCLASSIFIED

Caveats: NONE

Operations Making a Positive Impact on Mainstem Storage

	Previous Release	New Release	Date of change
Canyon Ferry	14,000	12,500	26-May-11
Tiber	1920	1000	21-May-11
Tiber	1000	520	25-May-11
Yellowtail	8000	3500	21-May-11
Yellowtail	3500	4500	23-May-11
Yellowtail	4500	3500	25-May-11
Yellowtail	3500	5000	25-May-11
Yellowtail	5000	7000	26-May-11
Boysen	4300	4300	25-May-11
Yellowtail		10100 ~29 May 11	

Notes	Benefit per day	approx # of days	
also to benefit Great Falls, MT	1500	0	0
Corps replacement storage only	920	4	3680
Corps replacement storage only (would have been 2 kcfs)	1480	3	4440
due to downstream flooding on Bighorn R	4500	2	9000
would like to be releasing 8000	3500	2	7000
would like to be releasing 8000 (am)	3500	1	3500
would like to be releasing 8000 (pm)			0
would like to be releasing 10000	3000	2	6000
held off on 400 cfs increase due to request from Corps	400	2	800
Able to hold release at 10,100 instead of 10,500			
due to Boysen staying down.	400	0	0
			34420
			68272.07
			to present

8	12000
	0
30	44400
	0
	0
	0
	0
3	9000
7	2800
7	2800

71000
140828.5
future
estimated

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 5:10 PM
To: Farmer, Monique L NWO; Farhat, Jody S NWD02
Cc: [REDACTED] NWO
Subject: RE: OAHE NEWS RELEASE for this afternoon (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I agree. Looks good.
[REDACTED]

-----Original Message-----

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 4:19 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO
Cc: [REDACTED] NWO
Subject: OAHE NEWS RELEASE for this afternoon (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody, [REDACTED]

Please review the attached release for distribution this evening.
[REDACTED]

Please coordinate with those in the area who wanted to review for consistency of message before we send out.

V r,

Monique

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 4:59 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO
Cc: Williamson, Eileen L NWO
Subject: DRAFT Storyboard and Talking Points (UNCLASSIFIED)
Attachments: Flood_Fight_Storyboard_27MAY.docx

Classification: UNCLASSIFIED

Caveats: NONE

Good afternoon:

Attached is the draft version of the storyboard and talking points (as discussed during today's CMT Brief). Please review/make comments/edits so that we can provide to the CMT first thing in the morning (by 9 a.m.). We are out of time today, but I will work tomorrow's version so that there is enough time for the Chiefs the CMT-All list to review the draft before I send the final version to you. If I do not hear from you by 7 a.m., I will assume this is ready to go, and distribute to the team.

Thanks in advance,

Monique

Classification: UNCLASSIFIED

Caveats: NONE



Missouri River Mainstem Reservoir Bulletin (Updated 26 May 11 14:06)

Fort Peck	Garrison	Omaha	Big Bend	Fort Randall	Gavins Point
Midnight Elevation 2245.77 ft (msl) (Elev. Change +0.5 ft) Daily Avg. Inflow 72,000 cu ft/second (cfs) Current Release 10,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 2234 ft (msl) – 2246 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 2246 ft (msl) – 2250 ft (msl) Top of Spillway Gates 2250 ft (msl) Planned scheduled releases (subject to change) - Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July - Peak reservoir level within 1 foot of the top of spillway gates 24-hour forecast (Wolf Point) Friday: A chance of showers, then showers likely and possibly a thunderstorm after noon. Partly sunny, with a high near 56. Chance of precipitation is 60%. Friday Night: A 40 percent chance of showers. Cloudy, with a low around 45.	Midnight Elevation 1851.12 ft (msl) (Elev. Change +0.42 ft) Daily Avg. Inflow 148,000 cu ft/second (cfs) Current Release 73,400 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1837.5 ft (msl) – 1850 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1850 ft (msl) – 1854 ft (msl) Top of Spillway Gates 1854 ft (msl) River Stage (Bismarck) 15.53 ft (Flood stage – 16 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through approximately 9 June - Step up to 105 kcfs by mid to late June - Peak reservoir level at top of spillway gates 24-hour forecast (Bismarck) Friday: A chance of showers, with thunderstorms also possible after 1pm. Mostly cloudy, with a high near 61. Chance of precipitation is 50%. Friday Night: A slight chance of showers. Mostly cloudy, with a low around 45. Chance of precipitation is 20%.	Midnight Elevation 1617.90 ft (msl) (Elev. Change +0.04 ft) Daily Avg. Inflow 83,000 cu ft/second (cfs) Current Release 68,500 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1607.5 ft (msl) – 1620 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1617 ft (msl) – 1620 ft (msl) Top of Spillway Gates 1620 ft (msl) River Stage (Pierre) 13.29 ft (Flood stage – 15 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through 3 June - Step up to 100 kcfs by 6 June - Eventually reaching 110kcfs by late June – early July - Peak reservoir level within 1 foot of the top of the spillway gates 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1419.43 ft (msl) (Elev. Change -0.58 ft) Daily Avg. Inflow 65,000 cu ft/second (cfs) Current Release 80,700 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1420 ft (msl) – 1423 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1422 ft (msl) – 1423 ft (msl) Top of Spillway Gates 1423 ft (msl) Planned scheduled releases (subject to change) - Increase release to 85 kcfs on schedule provided previously - Step to 90 kcfs next week - Eventually reaching 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1356.75 ft (msl) (Elev. Change +0.77 ft) Daily Avg. Inflow 100,000 cu ft/second (cfs) Current Release 63,800 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1350 ft (msl) – 1375 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1365 ft (msl) – 1375 ft (msl) Top of Spillway Gates 1375 ft (msl) Planned scheduled releases (subject to change) - Increase to 82.5 kcfs on schedule provided previously - Releases gradually increased to 108 kcfs by late June – early July - Peak reservoir level 1364.5 24-hour forecast (Yankton) Friday: Occasional showers, with thunderstorms also possible after 4pm. High near 63. Chance of precipitation is 80%. New rainfall amounts between a quarter and half of an inch possible. Friday Night: A slight chance of showers and thunderstorms before 7pm, then a slight chance of showers and thunderstorms after 4am. Partly cloudy, with a low around 50. Chance of precipitation is 20%.	Midnight Elevation 1206.60 ft (msl) (Elev. Change +0.11 ft) Daily Avg. Inflow 61,000 cu ft/second (cfs) Current Release 60,000 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1204.5 ft (msl) – 1210 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1208 ft (msl) – 1210 ft (msl) Top of Spillway Gates 1210 ft (msl) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Releases gradually increased to 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Omaha) Friday: A 50 percent chance of showers and thunderstorms. Mostly cloudy, with a high near 83. New rainfall amounts between a tenth and quarter of an inch, except higher amounts possible in thunderstorms. Friday Night: Mostly cloudy, with a low around 66.



Missouri River Flooding (Logistics) (Updated 26 May 11)

Personnel Deployed

- 1 (Billings)
- 12 (Bismarck)
- 5 (Williston)
- 7 (Pierre)
- 3 (Fort Randall)
- 4 (North Platte)

Equipment Deployed

- Sandbags (85,000)
- 10" Pumps (1)
- 12" Pumps (6)
- 16" Pumps (4)
- Expedient Flood Fight Products (Hesco – 19,380 LF)

Upcoming Meeting

- 27 May 11 at 1100 – Bus Tour organized by Senator Hoeven's office; General McMahon and Governor Dalrymple will be attending

Key Messages and Talking Points

ISSUE: Repeated rounds of heavy rain, coupled with record plains snowpack have pushed the Missouri River Reservoirs to very high levels that require aggressive releases out of the main stem reservoirs. A huge event during the past two weeks in eastern Montana, northern Wyoming and the Western Dakotas has brought as much rain into the area during the past month as what the regional normally sees in one year (300-600 percent of normal).

BACKGROUND: The Omaha District provides timely and effective technical advice and direct assistance before and during flood events with a goal of reducing flooding risks.

KEY/COMMAND MESSAGES

1. PUBLIC SAFETY

- Protecting lives is our number one priority, which is what this flood fight is all about – people’s lives. Without the proper operation of the Missouri River main stem system, more lives and property will be at risk. We recognize that managing and communicating flood risk is a shared responsibility among federal, state, local, Tribal and private partners so people can make well informed public decisions about their safety.
- Our emergency response measures are designed to reduce flooding risks.
- We remind the public to remain vigilant of the safety risks associated with flooding events: high water on levees, flooded roads, high flowing streams and environmental issues such as well contamination.
- As the flood fight continues, residents who live and work near flood-impacted areas should remain vigilant and must be prepared to follow directions from their local emergency management officials.

2. TIMELY RESPONSE & PREPAREDNESS

- The Corps has a well-trained team of emergency response personnel, equipment and materials available and ready for mobilization if needed.
- When requested, the Corps provides technical assistance such as ice jam monitoring and scheduling water releases to accommodate snow melt and rain runoff.
- The Corps often provides advanced measures such as sandbags, rapid deployment floodwalls, Hesco bastions and temporary levees, to help reduce flooding risk.

3. ASSISTANCE TO COMMUNITIES AND TRIBAL GOVERNMENTS

- Under the authority of Public Law 84-99 and the Flood Control and Coastal Emergencies appropriations, Corps emergency management personnel collaborate with local, county, state, federal and tribal officials to ensure coordinated efforts in flood risk reduction and emergency response activities.
- We are doing everything we can to protect people and their property, which means making difficult choices and decisions.
- In coordination with Tribal governments and States, the Corps deploys flood fighting materials and supplies (sandbags, pumps, and expedient flood fight products), pre-positions flood flight supplies and equipment, and deploys flood engineers to provide technical assistance.
- In 2010, the operations of Corps Flood Damage Reduction projects prevented \$23.1 billion in flood-related damages. A 10-year average of annual damages prevented is \$25.2 billion.

- When disasters occur, it is not just a local Corps district or office that responds. Personnel and other resources are mobilized across the country to carry out our response missions.
- In any disaster, our top priorities are:
 - Support immediate emergency response priorities;
 - Sustain lives with critical commodities, temporary emergency power and other needs; and,
 - Initiate recovery efforts by assessing and restoring critical infrastructure.

4. EFFECTIVE COMMUNICATION

- We are using all available communication tools to keep the public informed of our emergency response operations, including:
 - Internet <http://nwo.usace.army.mil/> - click the flooding link
 - OmahaUSACE on Facebook and Twitter
 - 24-hour hotline 888-835-5971 ext 2448

Missouri River Basin

- We will be increasing releases to record levels, well above those previously announced at all six of our main stem dams.
- Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second. Previous high releases were 70,000 cfs in the fall of 1997
- We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.
- People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil and from local emergency management offices.
- During our flood response activities throughout the basin, we will provide regular updates directly to the public at OmahaUSACE on Facebook and Twitter.
- Flooded areas are expected to be inundated for several months.
- Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse," said General McMahon. "Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions." At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.
- Releases from the Missouri River basin will reach the Mississippi basin, but we are coming in about two weeks after the crest and expect the impact to be minimal.

- The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year
- Our forecasts are based on the best available information we have at this time, and consider the snowmelt period.
- These peak releases are necessary to manage the reservoir levels to avoid reaching the top of spillway gates.

Platte River Basin

- The Corps has provided technical assistance to the State of Wyoming on the Platte River basin, but has not received a request for advanced measures at this time.

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 4:58 PM
To: 'terry_ellsworth@fws.gov'; 'mmarohl@usbr.gov'; 'todd_frerichs@fws.gov'; 'jalee@nd.gov'; 'jkelsch@nd.gov'; 'glevi@nd.gov'; 'kkovar@daktel.com'; 'Dyke, Steve R.'; 'davek@daktel.com'; 'ggere@usbr.gov'; 'dfewless@state.nd.us'; 'kgoff@nd.gov'; 'lloyd_jones@fws.gov'
Cc: 'DKrogstad@usbr.gov'; 'Aycock, Gordon L'; 'Erger, Patrick J'; [REDACTED] NWO; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Bertino, John J Jr NWO; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Phelps, Linda M NWO
Subject: Lake Audubon
Attachments: Audubon_11x17.pdf; AudubonContactList May 2011.docx

Conference call on Lake Audubon was held at 3:00 p.m. today. Generally, agency comments were favorable towards use of storage capacity at Lake Audubon if necessary for flood control regulation at Garrison Reservoir.

I asked agencies to provide comments by email today. I will consolidate comments and provide back to agencies tomorrow morning. We hope to have a conference call meeting of the Lake Audubon Oversight Committee at 2:00 p.m. tomorrow (Friday, May 27). More details on call will be send out tomorrow morning. Please let me know if you have concerns with time of conference call.

Current elevation of Lake Audubon is 1846.8. Since we are below maximum target level of 1847.0, Reclamation will begin pumping today up to target maximum level of 1847.0. Any further pumping will depend on decisions made tomorrow.

Please contact me if you have any questions.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:50 PM
To: 'terry_ellsworth@fws.gov'; 'mmarohl@usbr.gov'; 'todd_frerichs@fws.gov'; 'jalee@nd.gov'; 'jkelsch@nd.gov'; 'glevi@nd.gov'; 'kkovar@daktel.com'; Dyke, Steve R.; davek@daktel.com; ggere@usbr.gov; dfewless@state.nd.us; kgoff@nd.gov; lloyd_jones@fws.gov
Cc: 'lloyd_jones@fws.gov'; 'DKrogstad@usbr.gov'; 'Aycock, Gordon L'; 'Erger, Patrick J'; [REDACTED] NWO; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Bertino, John J Jr NWO; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO;

[REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Schenk, Kathryn
M NWO

Subject: RE: Lake Audubon

Conference call on Lake Audubon will be at 3:00 p.m. Central time today. Call in number is as follows:

[REDACTED], password [REDACTED]

FYI attached is a map showing Lake Audubon pool levels at 1850.5 and 1854.0. Also attached is an agency contact list that shows the Lake Audubon Oversight Committee, and other agency contacts. Please provide any necessary updates to this list.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:04 AM
To: terry_ellsworth@fws.gov; 'mmarohl@usbr.gov'; todd_frerichs@fws.gov
Cc: 'lloyd_jones@fws.gov'; 'DKrogstad@usbr.gov'; Aycock, Gordon L; Erger, Patrick J; [REDACTED],
[REDACTED] NWO; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED]
NWO; [REDACTED] NWO; [REDACTED] NWO; Bertino, John J Jr NWO; [REDACTED]
NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: Lake Audubon

As discussed on the phone this morning, Garrison Reservoir is currently at a level of 1851.1 and is forecasted to reach a pool level of approximately 1854. Lake Audubon is currently at a level of approximately 1846.5. As Garrison pool level continue to rise, we are investigating the possibility of using some of the storage available in Lake Audubon. It is requested that your office provide impacts of raising Lake Audubon to levels of 1850 and 1854. We would like to have a preliminary assessment completed by close of business today.

I will set up a conference call for later today. Please let me know of preferred time for a conference call.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

**Lake Audubon Oversight Committee
Agency Representatives
May, 2011**

U.S. Fish & Wildlife Service
Lloyd Jones
lloyd_jones@fws.gov
701-442-5474
701-661-0712 (cell)

ND Game & Fish
Steve Dyke
sdyke@nd.gov
701- 328-6347

ND State Water Commission
John Kelsch
jkelsch@nd.gov
701-328-4948

Garrison Conservancy District
David Koland
davek@daktel.com
701-652-3194 (office)
701-653-5215 (cell)

Bureau of Reclamation
Greg Gere
ggere@usbr.gov
701-221-1202

Corps of Engineers
Kellie Bergman
kellie.k.bergman@usace.army.mil
402-995-2308 (office)
402-689-2272 (cell)

**Lake Audubon
Agency Contacts
May, 2011**

U.S. Fish & Wildlife Service
Todd Frerichs
todd_frerichs@fws.gov
701-442-5474 x112 (office)
701-460-0576 (cell)

ND Game & Fish
Jason Lee
jalee@nd.gov
701-654-7475 x23 (office)
701-220-4144 (cell)

ND Dept. of Transportation
Grant Levi
glevi@nd.gov
701-328-2584

ND State Health Dept., Water Quality Division
Dennis Fewless
dfewless@state.nd.us
701-328-5215

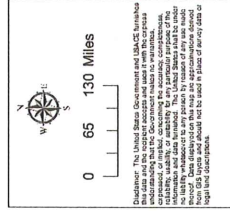
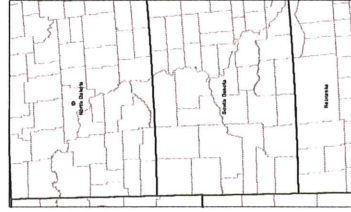
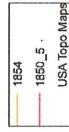
ND Dam Safety Office
Karen Goff
kgoff@nd.gov
701-328-2750

Garrison Conservancy District
Kip Kovar
kkovar@daktel.com
701-652-5736 (cell)

Bureau of Reclamation
Mike Marohl
mmarohl@usbr.gov
701-221-1259

Omaha District Spring 2011 Flood

Lake Audubon
near
Riverdale, ND



 US Army Corps of Engineers Civil Works Division Omaha District	
Project No.	
Sheet No.	
Scale	
Author	
Checker	
Appr.	
Date	



[REDACTED] NWO

From: Tom Gurss [Tom.Gurss@noaa.gov]
Sent: Thursday, May 26, 2011 4:04 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO
Subject: Input to EM call
Attachments: tom_gurss.vcf

Jody/[REDACTED],

I am wondering what you expect the RFC to report in this call? I don't want to state anything that might be different than what you provide.
So, when [REDACTED] asks for an update from us, I don't know what you really want.

To avoid any sort of conflicts, what I thought we might do is talk in general terms about any significant rises that we expect to occur on the major rivers contributing to Garrison and the small tribs contributing around Bismarck. How's that sound?

tom

[REDACTED] NWO

From: Engemann, Daniel [Dan.Engemann@mail.house.gov]
Sent: Thursday, May 26, 2011 4:02 PM
To: Farhat, Jody S NWD02
Subject: Re: Conference Calls (UNCLASSIFIED)

Thanks Jody. Will stakeholders like Tom Waters be able to be on that call as well, or just the delegation?

Dan

----- Original Message -----

From: Farhat, Jody S NWD02 [mailto:Jody.S.Farhat@usace.army.mil]
Sent: Thursday, May 26, 2011 03:55 PM
To: Engemann, Daniel
Subject: RE: Conference Calls (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Dan - don't know if you've gotten any updates but this morning we put out a new release schedule with dramatically higher releases. If you haven't seen or heard anything yet, please give me a call so I can bring you up to date.

Below is a press release we sent out this morning. We are planning a call with the Congressional Delegation for both Omaha and Kansas City Districts at 0800 CT Saturday.

Jody

Jody Farhat, P.E.
Chief, Missouri River Basin Water Management

jody.s.farhat@usace.army.mil
Office: 402-996-3840
Cell: 402-350-1417
[REDACTED]

BUILDING STRONG(r)

NEWS RELEASE

For Immediate Release: May 26, 2011

Contact: Monique Farmer 402-995-2420

monique.l.farmer @usace.army.mil

Jody Farhat 402-996-3840

jody.s.farhat@usace.army.mil

Dam releases to reach historic levels

Omaha, Neb. - Releases from the Missouri River reservoirs will reach historic levels in the coming weeks, the result of above-normal snow in the mountains and extraordinary rain over the last several weeks. Significant flooding in cities, towns and agricultural land is expected in North and South Dakota with many areas from Sioux City, Iowa, to the Mississippi rising above flood stage.

Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second (cfs). The previous high releases were 70,000 cfs in the fall of 1997. "Public safety is our number one concern," said Brig. Gen.

John McMahon, commander of the Northwestern Division of the Army Corps of Engineers. "We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.

"People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil <<http://USACEARMY.pr-optout.com/Url.aspx?520028x532982x-273684>> and from local emergency management offices," he added.

Flooded areas are expected to be inundated for several months.

"Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse," said General McMahon. "Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions." At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.

In the last month, the upper basin has received a year's worth of rain. "The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year," said Jody Farhat, Chief of the Water Management Division here. "With the arrival of the 140 percent-of-normal snowpack runoff, all the reservoirs will reach their maximum levels."

Releases Fort Peck, Mont., are expected to reach 40,000 cfs in early June and peak at 50,000 cfs in early July. The reservoir is forecast to reach within a foot of the top of the spillway gates.

Garrison releases will increase from the current 75,000 cfs to 85,000 cfs on Monday, May 30 and reach 105,000 cfs about mid-June. The peak reservoir level will likely reach the top of the spillway gates at 1853.9 feet. Many areas along the river in the Bismarck-Mandan area will be flooded with 3 to 6 feet of water.

Oahe releases will follow a pattern similar to Garrison, reaching 85,000 cfs on Saturday, May 28 and as high as 100,000 cfs by June 6 and 110,000 cfs by late in the month. The reservoir will peak within a foot of the top of the spillway gates at 1619 feet. Many areas along the river in Pierre will be flooded with 2 to 6 feet of water.

Big Bend releases will mirror those from Oahe, with its reservoir level remaining at 1420 feet.

Releases from Fort Randall will gradually increase from the current 61,000 cfs to 110,000 cfs by late-June. River stages in the reach below the dam should rise 2 to 6 feet.

Releases from Gavins Point will gradually increase from the current 63,000 to 110,000 cfs by the end of June. River stages 3-6 feet above flood stage are expected from just below Sioux City to the mouth north of St. Louis.

###

U.S. ARMY CORPS OF ENGINEERS - OMAHA DISTRICT
1616 Capitol Ave., Ste. 9000
<http://www.nwo.usace.army.mil/>
<<http://USACEARMY.pr-optout.com/Url.aspx?520028x532981x-795618>>
Find us on Facebook at facebook.com/OmahaUSACE <<http://USACEARMY.pr-optout.com/Url.aspx?520028x532980x-264544>> and on Twitter at twitter.com/OmahaUSACE
<<http://USACEARMY.pr-optout.com/Url.aspx?520028x532979x-786479>>

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<<http://us.vocuspr.com/Url.aspx?520028x532983x-804761>>

If you would rather not receive future communications from U.S. Army Corps of Engineers, Omaha District, let us know by clicking here.

<<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x316392x3x1875268x24000x6&Email=Jody.S.Farhat%40usace.army.mil>>

U.S. Army Corps of Engineers, Omaha District, 1616 Capitol Ave., Ste. 9000, Omaha, NE 68102
United States

-----Original Message-----

From: Engemann, Daniel [mailto:Dan.Engemann@mail.house.gov]

Sent: Thursday, May 26, 2011 10:42 AM

To: Farhat, Jody S NWD02

Cc: Blair, Amy E NWK; Brown, Chris

Subject: Conference Calls

Jody,

Thanks for your help in arranging the call yesterday between the Congressman and Gen. McMahon. The General mentioned daily calls that were going on, and asked if we were being notified, which I don't believe we are. We'd like to be included in these if possible, so we can try to stay ahead of this situation, and keep our constituents informed. Please advise.

Thanks,

Dan Engemann

Deputy District Director

Congressman Blaine Luetkemeyer (MO-09)

516 Jefferson Street

Washington, Missouri 63090

Phone: 636-239-2276

Fax: 636-239-0478

Mobile: 573-208-0507

Classification: UNCLASSIFIED

Caveats: NONE

From: Steve Predmore [Steven.Predmore@noaa.gov]
Sent: Thursday, May 26, 2011 3:18 PM
To: Ben Moyer; Gregory Forrester; Jeffrey Savadel; Allen Schlag; James Scarlett; Amy Parkin; Lisa Schmit; Michael Gillispie; James Meyer; David Pearson; Julie Adolphson; Scott Watson; Wes Browning; Mark Fuchs; Noreen Schwein; Kris Lander; Wendy Pearson
Cc: _NWS CR KRF
Subject: Information Regarding Corps Releases from Mainstem Reservoirs

All,

This year the Corps' Water Management Division in Omaha is facing a major challenge in regulating their 6 main stem reservoirs (Ft. Peck, Garrison, Oahe, Big Bend, Ft. Randall, and Gavins Point) due to significant spring rainfall runoff combined with much higher than normal snowmelt runoff. They will be extremely busy taking calls from many constituents. They have requested that all NWS offices with questions regarding their release schedule contact MBRFC rather than the Corps' Water Management Division, local project managers, or the state for the latest release information.

The releases we use in our Missouri River daily forecasts are the latest ones posted on the following Corps' website: <http://www.nwd-mr.usace.army.mil/rcc/reports/forecast.html>. On this website are two links of interest. The first is the Corps' release schedule for the next 6 days (Missouri River Station Flows). Of the 6 main stem reservoirs, only Gavins Point (GAPF) is listed in this product, at the top of the page. The schedule displays the dam's release in thousand CFS (KCFS). This information is updated daily, usually between 11 am and 2 pm.

The second is the Main Stem Regulation Forecast - Three-Week (Tabular) which has information on all the main stem reservoirs. The release, also displayed in thousand CFS, is listed in the 240D column. This schedule is typically updated once per week during mid-week and between 11 am and 2 pm, but will likely be updated almost daily during this critical period of release changes.

Please encourage your staff to look at these websites before calling us. Then, if they have additional questions or concerns about the latest release schedule, please give us a call and request to talk to the Missouri River main stem forecaster. Thanks in advance for your cooperation.

Steve

[REDACTED] NWO

From: [REDACTED]
Sent: Thursday, May 26, 2011 3:17 PM
To: Farhat, Jody S NWD02
Subject: Missouri River level @ Omaha.

Jody,

We farm on the Missouri River bottom North of Omaha on the Iowa side. I have read conflicting information concerning the crest. Several of our levies are built around the 30' River mark. The latest information I have read gave a crest of 29'2" in Omaha. However, this seems a little too low for an 85,000 cfm discharge from Gavins Point. If you had any additional information regarding River level forecasts that would be appreciated.

Thank You,

David Hansen
[REDACTED]
[REDACTED]

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 3:14 PM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWO; Ruch, Robert J COL NWO
Subject: Porjections (UNCLASSIFIED)

Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

Has any thought been given to preparing inundation maps showing potential impacts to Tribal Lands based on the projected flows? I would think they would be useful tools to assist them in preparing? I know Winnebago will be concerned about how the higher flows are going to further impact their crossing at the Glovers Point SWH Site. TAT, SRST, and CRST will have questions/concerns as well. Ft Peck Tribe (other than the irrigation intake which we discussed) may be in better shape because they are higher up. Omaha Tribe may want to know impact to the Hole in the Rock Site which is both a important cultural site as well as a SWH site..... [REDACTED]

[REDACTED]
Tribal Liaison
USACE Omaha District
1616 Capitol Ave, Suite 9000
Omaha, NE 68102-4901
Voicemail ([REDACTED])
Fax ([REDACTED])
[\[REDACTED\]@usace.army.mil](mailto:[REDACTED]@usace.army.mil)

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 2:58 PM
To: Johnston, Paul T NWO
Cc: Farhat, Jody S NWD02
Subject: FW: Dam releases to reach historic levels (UNCLASSIFIED)

Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

-----Original Message-----

From: Kim Wilson [mailto:kawilson@ktiv.com]
Sent: Thursday, May 26, 2011 1:15 PM
To: Farmer, Monique L NWO
Subject: RE: Dam releases to reach historic levels (UNCLASSIFIED)

Do you know when Paul may be calling? I am on deadline for 3:30pm.

Kimberly A. Wilson
5pm Producer/Desk Assistant

3135 Floyd Blvd.
Sioux City, IA 51108
712-239-4100 x245
1-800-234-5848 x245
712-239-3025 (FAX)
ktivnews@ktiv.com

-----Original Message-----

From: Farmer, Monique L NWO [mailto:Monique.L.Farmer@usace.army.mil]
Sent: Thursday, May 26, 2011 12:18 PM
To: Johnston, Paul T NWO
Cc: Kim Wilson
Subject: FW: Dam releases to reach historic levels (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Kim:

I am forwarding your questions to Paul Johnston. He will assist you.

Monique

-----Original Message-----

From: Kim Wilson [mailto:kawilson@ktiv.com]
Sent: Thursday, May 26, 2011 12:16 PM
To: Farmer, Monique L NWO
Subject: RE: Dam releases to reach historic levels (UNCLASSIFIED)

Questions --

When can we expect flooding near Sioux City?
Explain the process of releasing the water.
What are some preparations people can make?
How long does it for water, released from Yankton, to reach Sioux City?
Put another way, how long after the water is released at Yankton, will waters rise in Sioux City?
Does the reservoirs reaching capacity impact the number of times water will be released?

Kimberly A. Wilson
5pm Producer/Desk Assistant

3135 Floyd Blvd.
Sioux City, IA 51108
712-239-4100 x245
1-800-234-5848 x245
712-239-3025 (FAX)
ktivnews@ktiv.com

-----Original Message-----

From: Farmer, Monique L NWO [mailto:Monique.L.Farmer@usace.army.mil]
Sent: Thursday, May 26, 2011 11:56 AM
To: ktivnews
Subject: FW: Dam releases to reach historic levels (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

-----Original Message-----

From: U.S. Army Corps of Engineers, Omaha District
[mailto:monique.l.farmer@usace.army.mil]
Sent: Thursday, May 26, 2011 11:14 AM
To: Farmer, Monique L NWO
Subject: Dam releases to reach historic levels

<http://us.vocuspr.com/Publish/520028/vcsPRASset_520028_348656_c5220867-6ce9-45c0-83c2-dfd9e54e58a1_0_USACE_LOGO_small.jpg>

BUILDING STRONG(r)

NEWS RELEASE

For Immediate Release: May 26, 2011

Contact: Monique Farmer 402-995-2420

monique.l.farmer @usace.army.mil

Jody Farhat 402-996-3840

jody.s.farhat@usace.army.mil

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"People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil and from local emergency management offices," he added.

Flooded areas are expected to be inundated for several months.

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amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year," said Jody Farhat, Chief of the Water Management Division here. "With the arrival of the 140 percent-of-normal snowpack runoff, all the reservoirs will reach their maximum levels."

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###

U.S. ARMY CORPS OF ENGINEERS - OMAHA DISTRICT
1616 Capitol Ave., Ste. 9000
<http://www.nwo.usace.army.mil/>
<<http://usacearmy.pr-optout.com/Url.aspx?520028x333138x545484>>
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<<http://usacearmy.pr-optout.com/Url.aspx?520028x333137x27146>> and on
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at twitter.com/OmahaUSACE
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<<http://us.vocuspr.com/Url.aspx?520028x333145x761158>> Like us on
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<[http://www.twitter.com/OmahaUSACE](https://www.twitter.com/OmahaUSACE)>

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Quinn, Kevin R NWO
Sent: Thursday, May 26, 2011 2:57 PM
To: Farhat, Jody S NWD02
Subject: Citizen question (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

When you ahve the time, would you please advise what is the projected flow for Sioux City with the 85K release at Gavins, in about a week?

F.S. is 32 Ft. at Sioux City. How near will the flow rate be to that rating. please? Also will you have a 'knot' flow rate at that level for Sioux City, please?

I knew in early March that there was gogin to be a significant issue with the MO because of the extreme snow pack in the Csacades and Rockies.

Thank you very much for your time.

Don Dandurand, Sioux City, IA

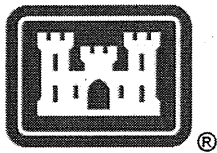
D.~w5 [wthr5@q.com]

Classification: UNCLASSIFIED
Caveats: NONE

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 2:56 PM
To: Farhat, Jody S NWD02
Subject: News Release that went out today (UNCLASSIFIED)
Attachments: NRFlood nnews release 5-26-11 (3).docx

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE



U.S. ARMY CORPS OF ENGINEERS

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NEWS RELEASE

For Immediate Release: June 30, 2011

Contact: Kevin R. Quinn 402-995-2419

kevin.r.quinn@usace.army.mil

Jody Farhat 402-996-3840

jody.s.farhat@usace.army.mil

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Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second (cfs). The previous high releases were 70,000 cfs in the fall of 1997. “Public safety is our number one concern,” said Brig. Gen. John McMahon, commander of the Northwestern Division of the Army Corps of Engineers. “We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.

“People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas are available at www.nwo.usace.army.mil and from local emergency management offices,” he added. Flooded areas are expected to be inundated for several months.

“Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse,” said General McMahon. “Our release plan is based on the rain we’ve already received and the forecasted snow melt. More heavy rain storms could cause major revisions.” At these levels, additional releases do not significantly change the foot print of the flooding, only the depth

In the last month, the upper basin has received a year’s worth of rain. “The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year,” said Jody Farhat, Chief of the Water Management Division here. “With the arrival of the 140 percent-of-normal snowpack runoff, all the reservoirs will reach their maximum levels.”

Releases at Fort Peck, Mont., are expected to reach 40,000 cfs in early June and peak at 50,000 cfs in early July. The reservoir is forecast to reach within a foot of the top of the spillway gates. Garrison releases will increase from the current 75,000 cfs to 85,000 cfs on Monday May 30 and reach 105,000 cfs about mid-June. The peak reservoir level will likely reach the top of the spillway gates at 1853.9 feet. Many areas along the river in the Bismarck-Mandan area will be flooded with 3 to 6 feet of water.

Oahe releases will follow a pattern similar to Garrison, reaching 85,000 cfs on Saturday May 28 and as high as 100,000 cfs by June 6 and 110,000 cfs by late in the month. The reservoir will likely peak within

[Type text]

a foot of the top of the spillway gates at 1619 feet. Many areas along the river in Pierre and Fort Pierre will be flooded with 3 to 6 feet of water.

Big Bend releases will mirror those from Oahe, with its reservoir level remaining at 1420 feet. Releases from Fort Randall will gradually increase from the current 61,000 cfs to 110,000 cfs by late-June. River stages in the reach below the dam should rise 4 – 6 feet. Releases from Gavins Point will gradually increase from the current 63,000 to 110,000 cfs by the end of June. River stages 3-6 feet above flood stage are expected from just below Sioux City to the mouth north of St. Louis.

###

NWO

From: [REDACTED] LRDOR
Sent: Thursday, May 26, 2011 2:47 PM
To: DLL-CELRD-WM Lower Ohio-Miss Coordination
Subject: NOTES: Lower Ohio - Mississippi River Coordination Call - 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Agencies Represented:

National Weather Service:

- Hydrometeorological Prediction Center (HPC)
- Ohio River Forecast Center (OHRFC)
- North Central RFC (NCRFC)
- Arkansas Basin RFC (ABRFC)
- Lower Mississippi RFC (LMRFC)
- Southern Region Headquarters (SRH)
- Central Region Headquarters (CRH)

US Army Corps of Engineers:

- Great Lakes & Ohio River Division (LRD - Cincinnati)
- Mississippi Valley Division (MVD)
- Memphis District (MVM)
- Vicksburg District (MVK)
- New Orleans District (MVN)

HPC:

Rainfall will continue for the next 6 - 12 hours before ending across the region. Showers and thunderstorms tonight will come to an end from west to east across the Ohio Valley. Rainfall totals will range from ¼ inch to around 1 inch, with the highest values near the Ohio - Pennsylvania border.

Following this system, hot, humid, and dry conditions will prevail. CPC 6-10 day outlooks still calls for above normal temperatures and below normal precipitation.

NCRFC:

Storms formed again through IA and IL, again producing 2-3 inch rainfalls. This will produce a rise at Chester, increasing flows from 504 today to 660 kcfs around June 1. 5 Days of QPF does not significantly change the crest.

OHRFC:

Flow at Smithland is 388 today, forecast to increase to 425-430 on June 3-4. Heaviest rains fell in Great Lakes drainages overnight, missing the Ohio River valley.

ABRFC:

Flow today is near crest at 170 kcfs at Pine Bluff. Flows will begin a slow fall tomorrow to near 150 kcfs Sunday.

LMRFC:

Crests are slightly higher on the upper Mississippi at Cape Girardeau today (+1.0' to 41.0) and lower on the Ohio at Paducah (-1.5' to 38.0') due to the rainfall distribution overnight. No changes were needed at Cairo downstream on this secondary peak.

From New Madrid to Greenville, falls of 0.5' to 1.0'/day continue. Memphis is expected to begin a slow rise on May 31, but rises are not expected downstream.

On the Atchafalaya, Simmesport continues a fall at about 0.1'/day, with steady conditions at Melville and Krotz Springs. Crests were tweaked downward at Butte LaRose and Myette Point. No change at Morgan City.

The flow peak on the White river will be about 100 kcfs at Augusta and Des Arc.

MVM:
Memphis was measured at 1305 kcfs today. No measurement was made at Helena yesterday due to 4-5 foot swells on the river.

MVK:
Vicksburg flow measured just over 2000 kcfs; expected to fall below 2 million tomorrow.

MVN:
Old River Complex: Discharge 602 kcfs, reducing daily
Morganza: Discharge 120 kcfs through 12 gates, reduced from 14. Noticed a small rise (0.1') in headwater with today's gate changes. This resulted in about 0.7' freeboard. Will plan additional closures to manage upstream water level.
Bonne Carre: Discharge 284 kcfs, reduced due to neap tide cycle impacts and the lower head on the structure.
Red River: Flowing at 86 kcfs into the Atchafalaya, not huge, but more than the -25 kcfs previously seen.

MVD:
Nothing to add.

SWD:
Surcharge storage continues on White River reservoirs; hope to begin to see water levels decline over the next few days.

LRD:
Slight increase in flows due to recent rains above Kentucky-Barkley lakes. TVA is passing most of the water through Kentucky Dam due to a hydropower unit outage at Barkley. Impacts of the higher flows at Cairo are around 0.3'. Pools are effectively at summer guide curve.

Next Call:
Friday May 27, 2011 at 2:00pm Eastern / 1:00pm Central.

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 2:47 PM
To: Tipton, Robert A Col NWD; Jordano, James J LTC NWO
Cc: [REDACTED] NWD; [REDACTED] NWD; Farhat, Jody S NWD02; [REDACTED] NWD; Johnston, Paul T NWO; [REDACTED] NWO; Bertino, John J Jr NWO
Subject: RE: Flood Products for HQUSACE

John/Kim,

Support Jody as required!

COL R

-----Original Message-----

From: Tipton, Robert A Col NWD
Sent: Thursday, May 26, 2011 2:22 PM
To: Acheson, William E LTC NWS; Capps, Stephan A LTC NWP; [REDACTED] NWK; Hains, Decker B LTC NWW; Jordano, James J LTC NWO
Cc: [REDACTED] NWD; [REDACTED] NWD; Farhat, Jody S NWD02; [REDACTED] NWD; [REDACTED] NWO; Anderson, G Witt NWD; Caldwell, David A LTC NWW; Hofmann, Anthony J COL NWK; Miles, Steven R COL NWP; Ruch, Robert J COL NWO; Wright, Anthony COL NWS
Subject: Flood Products for HQUSACE

Deputies,

MG Temple has requested that we provide some products to support his situational understanding for the ongoing Missouri River Flooding. We are also anticipating the same request for our challenges on the Columbia River Basin.

NWO and the Division MR Water Management Division are working together to develop the MR product...but we may need support from NWK to augment this product as we develop it as well.

For the Columbia River Basin product, Mr. Jim Barton will have the lead with the RCO and PAO in support. We will need support from the west side districts as well, so ask that you be responsive to these requests as this is an important product that we are pulling together.

Intent is to complete these products as soon as we can with the most accurate data possible. HQ understands that we are working several key actions - but we believe we should focus on trying to complete these before the weekend is up (earlier if possible)

Thanks,

RT

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 2:44 PM
To: Farhat, Jody S NWD02
Subject: Notes (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Hi Jody,

Could you please send me the notes that you sent out last night for today's congressional call?

Thanks!

Jennifer

[REDACTED]
Outreach Specialist
Planning Branch
Corps of Engineers, Omaha District
1616 Capitol Avenue
Omaha, NE 68102
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 2:44 PM
To: Wiley, William
Cc: Farhat, Jody S NWD02; [REDACTED] NWO
Subject: RE: Increased Releases from Corps Dams (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir,
Jody Farhat is the person in charge of the system releases, I'm Cc'ing her, as well as Kim Thomas, Chief of Emergency Management. If a call is needed they would need to be included..... [REDACTED]

[REDACTED]
Tribal Liaison
USACE Omaha District
1616 Capitol Ave, Suite 9000
Omaha, NE 68102-4901
Voicemail ([REDACTED])
Fax ([REDACTED])
[REDACTED]@usace.army.mil

-----Original Message-----

From: Wiley, William [<mailto:William.Wiley@bia.gov>]
Sent: Thursday, May 26, 2011 11:01 AM
To: [REDACTED] NWO
Cc: Maybee, Peter; Vacha, Patrick; Onacko, Gene; Labelle, Wayne; Bercier, Marilyn; Doig, Scott; Hart, Sean
Subject: Increased Releases from Corps Dams

[REDACTED],
Reports are that Hungry Horse and other dams have or about to release much more water. And N Dakota cities are warning cities.

Info? Conference calls?

Classification: UNCLASSIFIED
Caveats: NONE

From: Klippenstein, Brian (Blunt) [Brian_Klippenstein@blunt.senate.gov]
Sent: Thursday, May 26, 2011 2:33 PM
To: Farhat, Jody S NWD02
Subject: Latest on Missouri

Daily discharge statistics, in cfs, for May 26 based on 53 years of record more
<http://waterdata.usgs.gov/mo/nwis/dvstat/?site_no=06893000&por_06893000_4=834166,00060,4>

Min
(2006)

25th
percen-
tile

Median

Mean

75th
percen-
tile

Max
(1995)

Most Recent
Instantaneous
Value May 26

36500

51600

68100

75200

101000

162000

168000

Jody, this is USGS table which looks ominous, and is this before another big increment of release upstream due to bulging lakes? What is the prognosis?

Klip

816 471 7141

NWO

From: Tipton, Robert A Col NWD
Sent: Thursday, May 26, 2011 2:22 PM
To: Acheson, William E LTC NWS; Capps, Stephan A LTC NWP; [REDACTED] NWK;
Hains, Decker B LTC NWW; Jordano, James J LTC NWO
Cc: [REDACTED] NWD; [REDACTED] NWD; Farhat, Jody S NWD02; [REDACTED] NWD;
Johnston, Paul T NWO; Anderson, G Witt NWD; Caldwell, David A LTC NWW; Hofmann,
Anthony J COL NWK; Miles, Steven R COL NWP; Ruch, Robert J COL NWO; Wright,
Anthony COL NWS
Subject: Flood Products for HQUSACE

Deputies,

MG Temple has requested that we provide some products to support his situational understanding for the ongoing Missouri River Flooding. We are also anticipating the same request for our challenges on the Columbia River Basin.

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Thanks,

RT

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

NWO

From: Tipton, Robert A Col NWD
Sent: Thursday, May 26, 2011 2:11 PM
To: [REDACTED] NWD; [REDACTED] NWD; Farhat, Jody S NWD02
Cc: [REDACTED] NWD; McNeil, Rye A SSG CONTRACTOR @ NWD; [REDACTED] NWD; Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: RE: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

[REDACTED] thanks,

This looks pretty basic - so think we can develop something similar....but tailored to our basins and the risks and concerns associated with how we run the system.

I think we also need to add some picture on impacts (inundation maps of the areas of concern with depths) and the actions we are taking to fight the flood in terms of major projects such as the work in Bismarck and/or Pierre and potentially other areas downstream once the full basin analysis is complete that takes in the effect of the tribes on the lower basin.

Jody Farhat - know you are working with Omaha and you all are pulling this together.

[REDACTED] - we are looking for the same type of product for what we know now for the Columbia. Clare Perry and John Leighow will work with you on this and John will work with the effected districts to describe the ongoing flood fight side of the story. I will send out a separate warning to all of the Districts to support you in these efforts.

Intent is to get these products done as soon as we can -- but NLT the end of this weekend.

All products will flow through the Division RCO and John L. will submit to HQ and to all of our teammates for SA.

Thanks

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 11:55 AM
To: Tipton, Robert A Col NWD; Anderson, G Witt NWD; [REDACTED] NWD
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; [REDACTED] NWD; McNeil, Rye A SSG CONTRACTOR @ NWD; [REDACTED] NWD
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Gentlemen,

FYI. Reference discussion this morning, here's an example of the MVD MR&T cartoon slides.

VR
JKL

-----Original Message-----

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 11:20 AM
To: [REDACTED] NWD
Cc: [REDACTED] HQ02
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

[REDACTED] asked me to send you this as an example, the MR&T slide.

r/
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

From: Gouras, Matt [mgouras@ap.org]
Sent: Thursday, May 26, 2011 2:09 PM
To: Farhat, Jody S NWD02
Cc: Quinn, Kevin R NWO
Subject: Conference call

This is Matt Gouras with the Associated Press in Helena. We missed the conference call and need a quick update. How soon do you anticipate the releases could result in flooding downstream in North Dakota and other states?

Thanks,

Matt

406-449-5542

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[IP_US_DISC]msk dccc60c6d2c3a6438f0cf467d9a4938

NWO

From: [REDACTED] NWD02
Sent: Thursday, May 26, 2011 2:07 PM
To: 'Steven.Predmore@noaa.gov'
Cc: Farhat, Jody S NWD02
Subject: RE: My Fault (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Steve,
We should normally have the forecast done by early afternoon (around 1). It may be earlier on some days. We are currently trying to incorporate some of the MBRFC forecasts into our inflow calculations so that is taking a little extra time.
Mike

-----Original Message-----
From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 1:34 PM
To: 'Steven.Predmore@noaa.gov'; [REDACTED] NWD02
Subject: Re: My Fault (UNCLASSIFIED)

Mike, can you answer Steve's question regarding timing of 3 week forecast

From: Steve Predmore <Steven.Predmore@noaa.gov>
To: Farhat, Jody S NWD02
Sent: Thu May 26 11:29:11 2011
Subject: Re: My Fault (UNCLASSIFIED)

Jody,

Thank you for your review and response. Is the most likely time for the 3-week forecast to be reissued after 11 am?

Steve

On 5/26/2011 1:01 PM, Farhat, Jody S NWD02 wrote:

Classification: UNCLASSIFIED
Caveats: NONE

Steve - looks good. Just one comment. During this critical period when things are changing so rapidly the 3-week forecast will be updated almost daily

Thanks for coordinating this.

Jody

-----Original Message-----
From: Steve Predmore [<mailto:Steven.Predmore@noaa.gov>]
Sent: Thursday, May 26, 2011 12:49 PM
To: Farhat, Jody S NWD02

Cc: [REDACTED] NWD02
Subject: Re: My Fault (UNCLASSIFIED)

Jody,

I propose the following email to NWS offices along the Missouri River, and NWS Central Region Headquarters. Please review it and let me know if you'd like any changes. Thank you.

Steve

All,

This year the Corps' Water Management Division in Omaha is facing a major challenge in regulating their 6 main stem reservoirs (Ft. Peck, Garrison, Oahe, Big Bend, Ft. Randall, and Gavins Point) due to significant spring rainfall runoff combined with much higher than normal snowmelt runoff. They will be extremely busy taking calls from many constituents. They have requested that all NWS offices with questions regarding their release schedule contact MBRFC rather than the Corps' Water Management Division, local project managers, or the state, for the latest release information.

The releases we use in our daily forecasts are the latest ones posted on the following Corps' website:

<http://www.nwd-mr.usace.army.mil/rcc/reports/forecast.html>. On this website are two links of interest. The first is the Corps' release schedule for the next 6 days (Missouri River Station Flows). Of the 6 main stem reservoirs, only Gavins Point is listed in this product at the top of the page. This information is updated daily, usually after 11 am.

The second is the Main Stem Regulation Forecast - Three-Week (Tabular) which has information on all the main stem reservoirs. It is typically updated once per week, but may be updated more frequently if the Corps decides to change their releases.

I encourage you to look at these websites before calling us. Then, if you have additional questions or concerns about the latest release schedule, please give us a call and request to talk to the Missouri River main stem forecaster. Thanks in advance for your cooperation.

Steve

On 5/26/2011 12:02 AM, Farhat, Jody S NWD02 wrote:

Classification: UNCLASSIFIED
Caveats: NONE

I also appreciate the email.

I would like to ask that ALL requests for release schedules from NWS

offices

are funneled through the RFC, which will obtain the official numbers from me or my staff. Rumors are flying at lightning speed and we Feds must not contribute to the problem. Please insist that forecasters not contact local project managers or the states for release schedules.

Thanks for your understanding.

Jody

-----Original Message-----

From: Steve Predmore [<mailto:Steven.Predmore@noaa.gov>]

Sent: Wednesday, May 25, 2011 11:42 PM

To: Farhat, Jody S NWD02; Grode, Kevin R NWD02

Subject: My Fault

Jody and Kevin,

I apologize for information on your release plans going to others you did not intend it to. I gave Noreen Schwein a head's up. She thought a couple of

MIC's whose weather forecast offices cover the upper Missouri River should have a heads up. One of them, Jeff Savadel, called the Garrison project manager and someone from the SEOC in ND to see if they had any information.

I talked with Jeff this evening. He's sorry about the problem he caused. He didn't realize the sensitivity of the situation. However, it's my fault for not making it clear and I'm very sorry.

Steve

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 1:55 PM
To: Tipton, Robert A Col NWD; Anderson, G Witt NWD; [REDACTED] NWD
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; [REDACTED] NWD; McNeil, Rye A
SSG CONTRACTOR @ NWD; [REDACTED] NWD
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)
Attachments: MVD Flow slides as of 0800 26May11.pptx

Classification: UNCLASSIFIED
Caveats: NONE

Gentlemen,

FYI. Reference discussion this morning, here's an example of the MVD MR&T cartoon slides.

VR
JKL

-----Original Message-----

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 11:20 AM
To: [REDACTED] NWD
Cc: [REDACTED] HQ02
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

John,

Liz asked me to send you this as an example, the MR&T slide.

r/
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Mississippi & Atchafalaya STAGES – 26 May 2011 – 0600 CDT

Station	Flood Stage	Current Stage	Actual/Forecasted Crest Stage	Date	Record Stage	Year
Cairo, IL	40.0	46.07	61.72****	2 May	59.51	1937
New Madrid, MO	34.0	35.11	48.35	6 May	47.97	1937
Caruthersville, MO	32.0	35.54	47.61	7 May	46.00	1937
Memphis, TN	34.0	35.04	47.87	10 May	48.70	1937
Helena, AR	44.0	47.93	56.59	12 May	60.21	1937
Arkansas City, AR	37.0	48.67	53.14	16 May	59.20	1927
Greenville, MS	48.0	60.39	64.22	17 May	65.4****	1927
Vicksburg, MS	43.0	55.25	57.1	19 May	56.20*	1927
Natchez, MS	48.0	60.42	61.95	19 May	58.04	1937
Red River Lndg, LA	48.0	61.98	65.5*** (63.09***)	21 May	61.61	1997
Baton Rouge, LA	35.0	43.75	47.5*** (45.01***)	18 May	47.28	1927
New Orleans, LA	17.0**	16.78	19.5*** (17.0***)	14 May	21.27	1922
Simmesport, LA	47.0	44.74	44.94	23 May	59.13	1927
Butte LaRose, LA	25.0	23.01	23.5	27 May	27.28	1973
Morgan City, LA	4.0	10.05	9.5*** [11.0***]	30 May	10.53	1973

*62.2 ' If Levees Held

**Levees Protect New Orleans to 20.0' Stage

***w/o Morganza Operation

****NWS Crest of 63.0' on 5 May w/o BPNM Operation – Actual Stage of 59.7' on 5 May w/BPNM Operation

***** Adjusted to Current Gage Location - Prior to 1940 stages were taken at City Front or Warfield Point

Note: With Morganza Operation, Baton Rouge to N. Orleans crests will occur before upstream locations and will remain steady during the floodway operations.

New Record Stage Exceeding Current Record Stage

***w/o Morganza Operation

****w/Morganza Operation

FLOWS (1000 cfs)

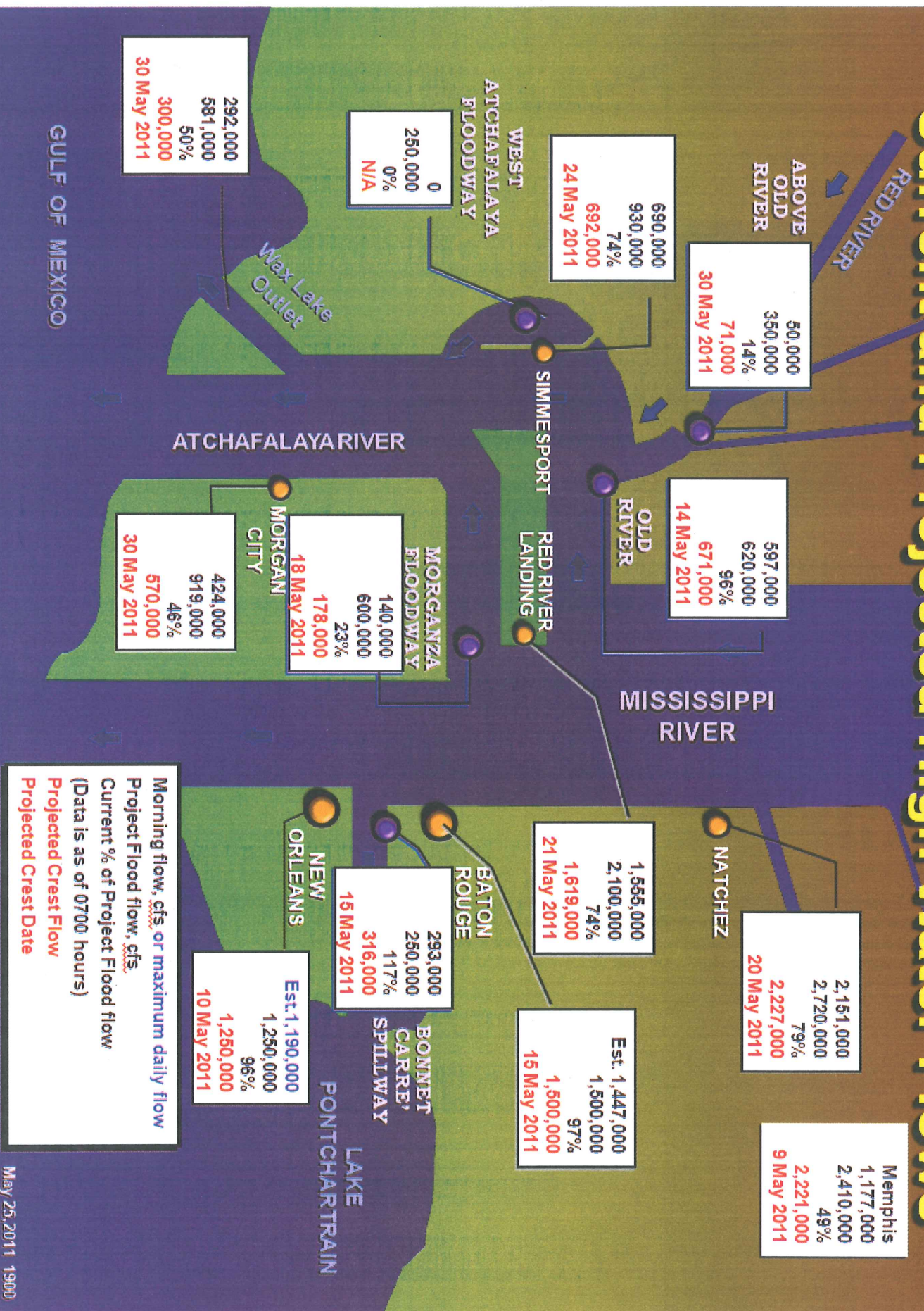
Total Outflows	
Date	Channel Flow
3-May	130
4-May	
5-May	~383
6-May	
8 May	362
9-May	349
10-May	342
11 May	334
12 May	324
13 May	330
14 May	314
15 May	288
16 May	248
17 May	241
18 May	210
19 May	183
20 May	147
21 May	119
22 May	87
23 May	75
24 May	54
25 May	45.4



Inflow Crevasse Channel	
Date	Flow
3-May	404
4-May	369
5-May	377
8 May	347
9 May	306
10 May	271
11 May	281
12 May	254
13 May	223
14 May	196
15 May	159
16 May	128
17 May	101
18 May	71.2
19 May	60
20 May	28.3
21 May	~20
22 May	7.1
23 May	N/A
24 May	3.5
25 May	1.0

3rd Crevasse Channel	
Date	Flow
8-May	-15.4
9-May	-16.9
10 May	-22.8
11 May	-20.8
12 May	-61.2
13 May	-75.6
14 May	-82.4
15 May	-86.3
16 May	-87.0
17 May	-86.8
18 May	-83.6
19 May	-76.4
20 May	-63.0
21 May	-50.7
22 May	-39.1
23 May	N/A
24 May	-23.6
25 May	N/A

Current and Projected High Water Flows



Mississippi & Atchafalaya STAGES – 26 May 2011 – 0600 CDT

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Cairo, IL	40.0	46.07	61.72****	2 May	59.51	1937
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Memphis, TN	34.0	35.04	47.87	10 May	48.70	1937
Helena, AR	44.0	47.93	56.59	12 May	60.21	1937
Arkansas City, AR	37.0	48.67	53.14	16 May	59.20	1927
Greenville, MS	48.0	60.39	64.22	17 May	65.4*****	1927
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New Record Stage **Exceeding Current Record Stage**
 ***w/o Morganza Operation
 ***w/Morganza Operation

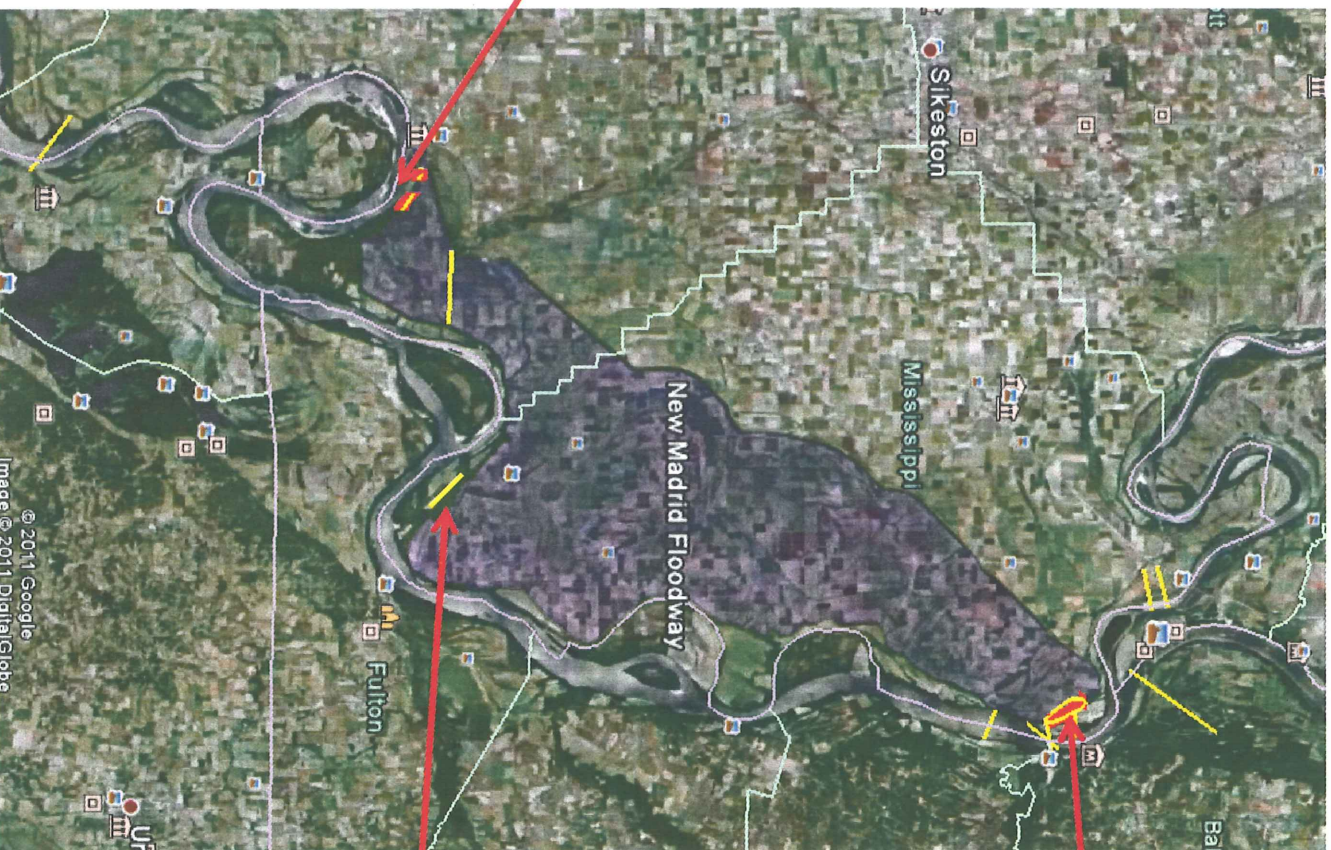
****NWS Crest of 63.0' on 5 May w/o BPNM Operation – Actual Stage of 59.7' on 5 May w/BPNM Operation

*****Adjusted to Current Gage Location - Prior to 1940 stages were taken at City Front or Warfield Point

Note: With Morganza Operation, Baton Rouge to N. Orleans crests will occur before upstream locations and will remain steady during the floodway operations.

FLOWs (1000 cfs)

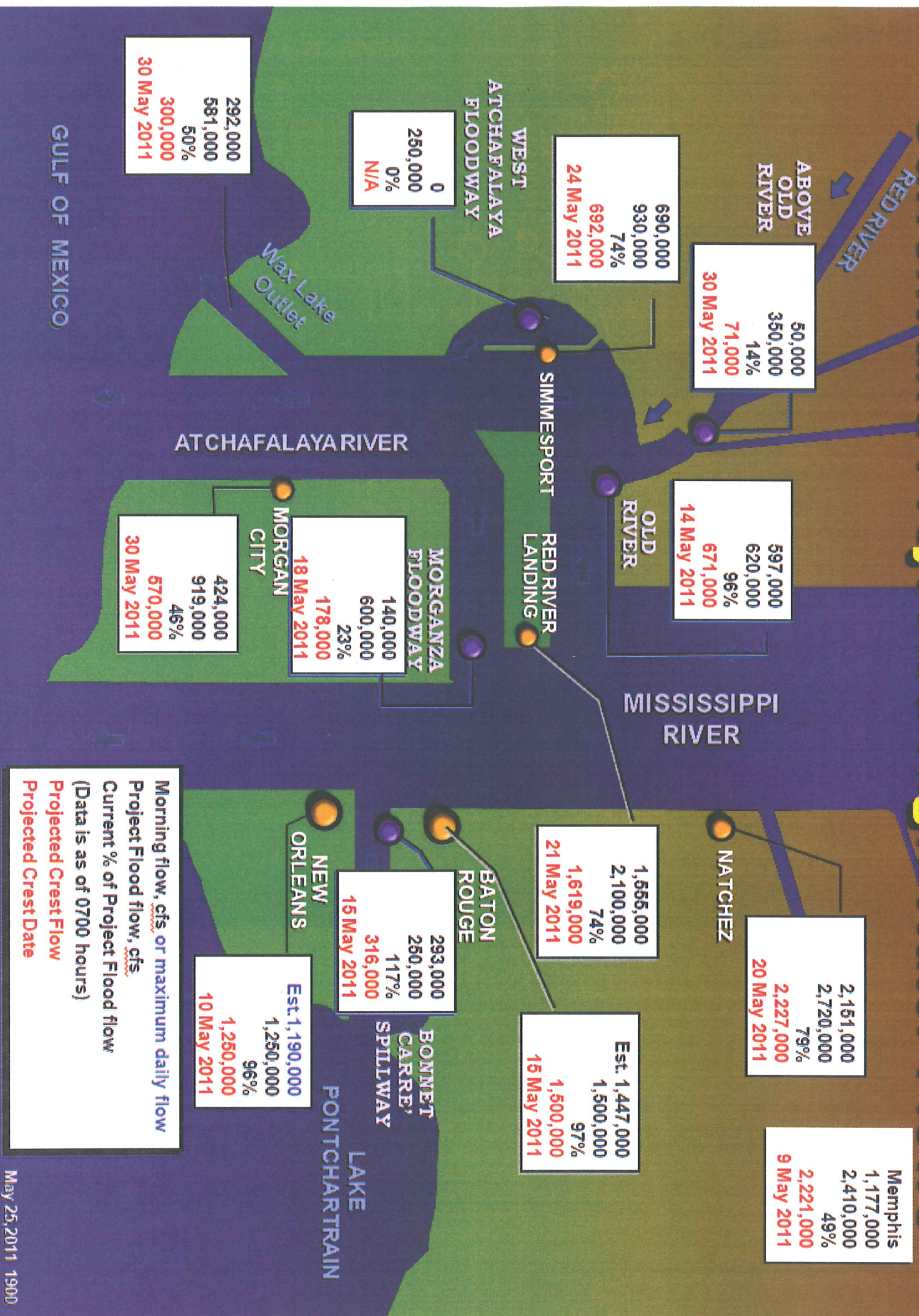
Total Outflows	
Date	Channel Flow
3-May	130
4-May	
5-May	
6-May	~383
8 May	362
9-May	349
10-May	342
11 May	334
12 May	324
13 May	330
14 May	314
15 May	288
16 May	248
17 May	241
18 May	210
19 May	183
20 May	147
21 May	119
22 May	87
23 May	75
24 May	54
25 May	45.4



Inflow Crevasse	
Date	Channel Flow
3-May	404
4-May	369
5-May	377
8 May	347
9 May	306
10 May	271
11 May	281
12 May	254
13 May	223
14 May	196
15 May	159
16 May	128
17 May	101
18 May	71.2
19 May	60
20 May	28.3
21 May	~20
22 May	7.1
23 May	N/A
24 May	3.5
25 May	1.0

3rd Crevasse	
Date	Channel Flow
8-May	-15.4
9-May	-16.9
10 May	-22.8
11 May	-20.8
12 May	-61.2
13 May	-75.6
14 May	-82.4
15 May	-86.3
16 May	-87.0
17 May	-86.8
18 May	-83.6
19 May	-76.4
20 May	-63.0
21 May	-50.7
22 May	-39.1
23 May	N/A
24 May	-23.6
25 May	N/A

Current and Projected High Water Flows



Morning flow, cfs or maximum daily flow
 Project Flood flow, cfs
 Current % of Project Flood flow
 (Data is as of 0700 hours)
 Projected Crest Flow
 Projected Crest Date

[REDACTED] NWO

From: Jeff Dooley [jeff.dooley@dakotadunes.com]
Sent: Thursday, May 26, 2011 1:46 PM
To: Farhat, Jody S NWD02
Subject: Inudation Map

Hi Jody

I know you are busy and I was not aware of your conference call but I am aware of the news of the increase. There was mention of inundation maps for Pierre and Bismark at the Tuesday call. Do you know if similar maps have been done for Dakota Dunes, Sioux City and South Sioux City. If so, how can I get a copy.

Jeff Dooley

Manager

Dakota Dunes Community Improvement District

605-232-4211

From: Steve Predmore [Steven.Predmore@noaa.gov]
Sent: Thursday, May 26, 2011 1:29 PM
To: Farhat, Jody S NWD02
Subject: Re: My Fault (UNCLASSIFIED)

Jody,

Thank you for your review and response. Is the most likely time for the 3-week forecast to be reissued after 11 am?

Steve

On 5/26/2011 1:01 PM, Farhat, Jody S NWD02 wrote:

Classification: UNCLASSIFIED
Caveats: NONE

Steve - looks good. Just one comment. During this critical period when things are changing so rapidly the 3-week forecast will be updated almost daily

Thanks for coordinating this.

Jody

-----Original Message-----

From: Steve Predmore [mailto:Steven.Predmore@noaa.gov]
Sent: Thursday, May 26, 2011 12:49 PM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD02
Subject: Re: My Fault (UNCLASSIFIED)

Jody,

I propose the following email to NWS offices along the Missouri River, and NWS Central Region Headquarters. Please review it and let me know if you'd like any changes. Thank you.

Steve

All,

This year the Corps' Water Management Division in Omaha is facing a major challenge in regulating their 6 main stem reservoirs (Ft. Peck, Garrison, Oahe, Big Bend, Ft. Randall, and Gavins Point) due to significant spring rainfall runoff combined with much higher than normal snowmelt runoff. They will be extremely busy taking calls from many constituents. They have requested that all NWS offices with questions regarding their release schedule contact MBRFC rather than the Corps' Water Management Division, local project managers, or the state, for the latest release information.

The releases we use in our daily forecasts are the latest ones posted on the

following Corps' website:

<http://www.nwd-mr.usace.army.mil/rcc/reports/forecast.html>. On this website are two links of interest. The first is the Corps' release schedule for the next 6 days (Missouri River Station Flows). Of the 6 main stem reservoirs, only Gavins Point is listed in this product at the top of the page. This information is updated daily, usually after 11 am.

The second is the Main Stem Regulation Forecast - Three-Week (Tabular) which has information on all the main stem reservoirs. It is typically updated once per week, but may be updated more frequently if the Corps decides to change their releases.

I encourage you to look at these websites before calling us. Then, if you have additional questions or concerns about the latest release schedule, please give us a call and request to talk to the Missouri River main stem forecaster. Thanks in advance for your cooperation.

Steve

On 5/26/2011 12:02 AM, Farhat, Jody S NWD02 wrote:

Classification: UNCLASSIFIED

Caveats: NONE

I also appreciate the email.

I would like to ask that ALL requests for release schedules from NWS offices

are funneled through the RFC, which will obtain the official numbers from me

or my staff. Rumors are flying at lightning speed and we Feds must not

contribute to the problem. Please insist that forecasters not contact local

project managers or the states for release schedules.

Thanks for your understanding.

Jody

-----Original Message-----

From: Steve Predmore [<mailto:Steven.Predmore@noaa.gov>]

Sent: Wednesday, May 25, 2011 11:42 PM

To: Farhat, Jody S NWD02; [REDACTED] NWD02

Subject: My Fault

Jody and Kevin,

I apologize for information on your release plans going to others you did not

intend it to. I gave Noreen Schwein a head's up. She thought a couple of

MIC's whose weather forecast offices cover the upper Missouri River

should

have a heads up. One of them, Jeff Savadel, called the Garrison project manager and someone from the SEOC in ND to see if they had any information.

I talked with Jeff this evening. He's sorry about the problem he caused. He didn't realize the sensitivity of the situation. However, it's my fault for not making it clear and I'm very sorry.

Steve

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 1:04 PM
To: Farhat, Jody S NWD02; Farmer, Monique L NWO; Johnston, Paul T NWO
Cc: [REDACTED] NWO; [REDACTED] NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Basically I wanted to get out a couple things.

1. Closure of areas affected by the higher flows.
 - a. Stilling Basin Channel closed to all boat traffic.
 - b. Echo Point and Diver's Point (Both Local Names) roads below the dam are closed.

2. Safety

The stilling basin is now THE point of interest in central South Dakota. Fences have been erected for safety considerations around this structure. DO NOT go around these fences. This area will remain open to the public as long as individuals act responsibly. This area will be closed if people do not act responsibly.

At times there is a large number of vehicles and people in this area. Please be courteous and patient in your vehicle operation, parking and walking about the area. Please keep children and pets under control.

With everything happening right now, we don't need to have to worry about picking up garbage left by people. Pack It In, Pack It Out.

-----Original Message-----
From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:23 PM
To: Farmer, Monique L NWO; Johnston, Paul T NWO
Cc: [REDACTED] NWO; [REDACTED] NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

I wasn't planning on one but it sounds like Eric Stasch has info he want to get out. I'd be happy to review for consistency before it goes out.

-----Original Message-----
From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 12:17 PM
To: Farhat, Jody S NWD02; Johnston, Paul T NWO
Cc: [REDACTED] NWO; [REDACTED] NWO
Subject: FW: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Jody:

Were we planning a press release that would be specifically tailored for Oahe today?

See below.

Monique

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:00 PM
To: Farmer, Monique L NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Monique,

That sounds like a good plan. Just forward the draft to me when it's ready... and I'll check with the EOC and PIO reps.

Thanks,

[REDACTED]
-----Original Message-----

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 9:36 AM
To: [REDACTED] NWO
Cc: [REDACTED] NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

[REDACTED]
Once we get a draft ready, I need you to handle all of the coordination with the EOC and PIO folks there in Pierre, if possible. Once everyone feels confident that our messages are accurate, clear and consistent, we will distribute from here.

Please let me know if this will be an issue and we will develop a work-around.

Thanks for keeping me informed.

Monique

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:28 AM
To: Farmer, Monique L NWO
Cc: [REDACTED] NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Monique,

Not sure if you heard the information from the call... but obviously a lot going down now in Pierre. The state is planning a press conference with local officials at city hall at 10am. USACE has been requested to attend... Eric Stasch will be there and I will meet him there to provide any support.

Also... Eric has some information he'd like put into a press release later today... I'll get that to you when I receive it. Kristi Turman (Director of South Dakota Emergency Management Division) would like us to provide copies of all press releases to them (their PIO is Terry Woster, 605-280-5648), FEMA (Phil Wernisch, contact info below), and the mayors of Pierre (Laurie Gill) and Fort Pierre (Sam Tidball). They would appreciate seeing those prior to dissemination in order to clarify community responses and maintain a consistent message.

Following this morning... daily press conferences will be held at 10am here at the EOC.

Will provide an update following the press conference as well as forward the South Dakota Governor's speaking points when it's finalized.

V/R

-----Original Message-----

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 7:50 AM
To: [REDACTED] NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thanks Chuck!

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:22 AM
To: Farmer, Monique L NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Monique,

I'm at the EOC now and have internet access.

Also... the state EOC wants all agencies (Fed, state, etc.) to look over each press release prior to dissemination to ensure that everyone's on the same page. I'll forward all information as I get it.

Phil Wernisch is here for FEMA External Affairs. Here's his contact info:
Phil.wernisch@dhs.gov; Phone: 435-279-7877.

Thanks,

-----Original Message-----

From: Farmer, Monique L NWO

Sent: Wednesday, May 25, 2011 6:52 PM

To: DLL-CENWO-PAO; [REDACTED] NWO; [REDACTED] NWO

Cc: Oldham, Margaret NWO; [REDACTED] NWO; Farhat, Jody S NWD02

Subject: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Team:

In an effort to provide organized, comprehensive Public Affairs Support to the CMT, PAO and the EOC have come up with the following task list. Some of these roles may shift and change throughout the duration of this flood fight. Please call me with any questions you may have regarding your current, tentative role.

Maggie Oldham - Attend and report on PA matters at daily CMT Brief/listen in on CODEL calls
Monique Farmer (Acting Chief through 5/27/11)

Monique Farmer - Develop, edit and distribute news releases as needed. Update/develop daily talking points for the CMT and provide to Jennifer Salak by NLT 4 p.m. daily. Answer media and public queries. Monitor Flood Fight and district main Web page for accuracy and timely updates.

Kevin Wingert - Distribute daily news clips (including flood fight news coverage) to the district. Answer phone calls to track down information for reporters/public. Assist with updating/develop daily talking points for the CMT and providing TPs to Jennifer Salak by NLT 4 p.m. daily to be included in the Emergency Management Storyboard, which will be distributed to the CMT and CAT every morning by 9:30 a.m. Available for travel to the field to support public meetings, take photographs and gather video as necessary beginning May 31.

Kevin Quinn - Attend daily CMT Brief/listen in on CODEL calls as alternate. Develop, edit and distribute news releases as needed. Answer media and public queries. Prepare written remarks.

[REDACTED] - Develop daily storyboard for CMT and CAT members to include daily reservoir elevation changes, talking points, and other information to be shared with the CMT each morning by NLT 9:30 a.m. (see Monique for details). Adapt internal CMT brief for external Web use and provide to ACE-IT's Marlene Hite for daily posting to the external Web. Adapt daily Congressional sitrep for external distribution to Congressional delegation. Provide to Kayla Eckert Uptmor for distribution.

[REDACTED] - Provide PA Support to field as needed. Report back daily to PA with media and public queries and other pertinent information such as upcoming meetings or concerns from the field to provide situational awareness/assist with talking point and Q&A development. Provide support as needed to Jennifer Salak when back in the district.

Paul Johnston - (embedded in NWD) Answering media and public queries. Developing daily Riverwatch updates for each of the 6 main stem reservoirs. Providing draft versions of Riverwatch Daily to SMEs and PAO for editing/review before sending to Eileen Williamson for posting to Social Media.

Eileen Williamson - (embedded in EOC) writing daily sitreps, posting to facebook and twitter and responding to online public/media queries from Social media

██████████ - (ACE-IT) Update district and division Web pages with most current news release information within 30 minutes of news release distribution. Monique will work with Dave Husted (ACE-IT support here from Rock Island District) to get Marlene setup for division news release Web page access.

All - electronically log pertinent public and media calls at the following link by no later than 4 p.m. CT so that a daily report can be pulled and the information can be reporting at the upcoming day's CMT brief.

<https://kme.usace.army.mil/NWD/NWO/PA/Lists/Media%20Queries/NewForm.aspx?RootFolder=/NWD/NWO/PA/Lists/Media%20Queries&Source=https://kme.usace.army.mil/NWD/NWO/PA/Lists/Media%2520Queries/AllItems.aspx>

If you click the link and don't have access, there is a place to request it. Request it and we will grant it fairly quickly.

PA Evening/Weekend Schedule (will be updated weekly FYSA)

Wednesday evening afterhours - Monique Farmer (402.779.1460) Thursday evening afterhours - Kevin Quinn (402.779.1450) Friday evening afterhours - Monique Farmer (402.779.1460) Saturday, Maggie will be in office and on call all evening - Maggie Oldham (402.650.8154) Sunday 8 a.m. to 5 p.m. - Monique Farmer (402.779.1460) Sunday afterhours - Maggie Oldham (402.650-8154)

V r,

Monique

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: FOUO

Classification: UNCLASSIFIED
Caveats: FOUO

Classification: UNCLASSIFIED

NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 12:58 PM
To: DLL-CENWD ALLSUPV
Cc: [REDACTED] NWS; [REDACTED] NWW; [REDACTED] NWP; [REDACTED]
NWK
Subject: FW: Dam releases to reach historic levels (Missouri River Basin)

For Situational Awareness

For Immediate Release: May 26, 2011

Contact: Monique Farmer 402-995-2420
Jody Farhat 402-996-3840

Dam releases to reach historic levels

Omaha, Neb. - Releases from the Missouri River reservoirs will reach historic levels in the coming weeks, the result of above-normal snow in the mountains and extraordinary rain over the last several weeks. Significant flooding in cities, towns and agricultural land is expected in North and South Dakota with many areas from Sioux City, Iowa, to the Mississippi rising above flood stage.

Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second (cfs). The previous high releases were 70,000 cfs in the fall of 1997. "Public safety is our number one concern," said Brig. Gen. John McMahon, commander of the Northwestern Division of the Army Corps of Engineers. "We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.

"People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil <<http://USACEARMY.pr-optout.com/Url.aspx?520028x533070x-679804>> and from local emergency management offices," he added.

Flooded areas are expected to be inundated for several months.

"Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse," said General McMahon. "Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions." At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.

In the last month, the upper basin has received a year's worth of rain. "The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year," said Jody Farhat, Chief of the Water Management Division here. "With the arrival of the 140 percent-of-normal snowpack runoff, all the reservoirs will reach their maximum levels."

Releases Fort Peck, Mont., are expected to reach 40,000 cfs in early June and peak at 50,000 cfs in early July. The reservoir is forecast to reach within a foot of the top of the spillway gates.

Garrison releases will increase from the current 75,000 cfs to 85,000 cfs on Monday, May 30 and reach 105,000 cfs about mid-June. The peak reservoir level will likely reach the top of the spillway gates at 1853.9 feet. Many areas along the river in the Bismarck-Mandan area will be flooded with 3 to 6 feet of water.

Oahe releases will follow a pattern similar to Garrison, reaching 85,000 cfs on Saturday, May 28 and as high as 100,000 cfs by June 6 and 110,000 cfs by late in the month. The reservoir will peak within a foot of the top of the spillway gates at 1619 feet. Many areas along the river in Pierre will be flooded with 2 to 6 feet of water.

Big Bend releases will mirror those from Oahe, with its reservoir level remaining at 1420 feet.

Releases from Fort Randall will gradually increase from the current 61,000 cfs to 110,000 cfs by late-June. River stages in the reach below the dam should rise 2 to 6 feet.

Releases from Gavins Point will gradually increase from the current 63,000 to 110,000 cfs by the end of June. River stages 3-6 feet above flood stage are expected from just below Sioux City to the mouth north of St. Louis.

###

U.S. ARMY CORPS OF ENGINEERS - OMAHA DISTRICT
1616 Capitol Ave., Ste. 9000

<http://www.nwo.usace.army.mil/> <<http://USACEARMY.pr-optout.com/Url.aspx?520028x533069x-148597>>

Find us on Facebook at facebook.com/OmahaUSACE <<http://USACEARMY.pr-optout.com/Url.aspx?520028x533068x-670488>> and on Twitter at twitter.com/OmahaUSACE <<http://USACEARMY.pr-optout.com/Url.aspx?520028x533067x-139284>>

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If you would rather not receive future communications from U.S. Army Corps of Engineers, Omaha District, let us know by clicking here. <<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x316392x3x1875280x24000x6&Email=John.R.McMahon%40usace.army.mil>>

U.S. Army Corps of Engineers, Omaha District, 1616 Capitol Ave., Ste. 9000, Omaha, NE 68102
United States

[REDACTED] NWO

From: Tipton, Robert A Col NWD
Sent: Thursday, May 26, 2011 12:56 PM
To: [REDACTED] HQ02
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Maam - roger, think we already sent a packet with much of that.

We will work this hard with your staff to frame the product - but are leaning forward and WILL deliver.

RT

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] HQ02
To: Tipton, Robert A Col NWD
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Sent: Thu May 26 10:43:06 2011
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Feed into the missouri system and basic water control branches and sequels? Thx, kd-a

BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
[REDACTED]

----- Original Message -----

From: [REDACTED] HQ02
To: Tipton, Robert A Col NWD
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Sent: Thu May 26 12:33:49 2011
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

In the interim, could you send Missouri river basin map that shows the mainstem projects and the 2 KC projects that f BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
[REDACTED]

----- Original Message -----

From: Tipton, Robert A Col NWD
To: [REDACTED] HQ02
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Sent: Thu May 26 11:18:37 2011

Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Thanks Maam,

The team will get the MVD product and begin work on what the Chief wants. We just finished inundation charts for the 120K cfs flows at Bismarck and Pierre.

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 9:14 AM
To: Temple, Bo M MG HQ02; McMahon, John R BG NWD; Tipton, Robert A Col NWD
Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

SIR,
NWD is working a product, their engineering folks needs some time to get it right, ie
analyses and potential consequences.. BLUF this will be a marathon; long slow releases that
will adjust over the next 10 days or more.
More to follow when NWD team has a draft ready.
V/r karen

BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
[REDACTED]

----- Original Message -----

From: Temple, Bo M MG HQ02
To: [REDACTED] HQ02
Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02
Sent: Thu May 26 08:22:25 2011
Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

If possible, would be good to have a flows chart, like the one we have/use for the MR&T that
show current/as of today flows (at each of the six dams/reservoirs), anticipated peak flows
with anticipated dates. If inundation can be shown at peak, that'd be good as well. This
way we'd all have one common picture (as of ...). Thoughts? Thanks!

----- Original Message -----

From: McMahon, John R BG NWD
To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED]
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

Sent: Thu May 26 07:43:59 2011

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Sir:

CLOSE HOLD for the next hour--these are the talking points we plan to follow as derived from our analysis last night--have already touched based with key leaders from ND and SD and will hold a call for them at 0800 CST, followed by a news release immediately following, and then a Media call-in event at 1100 CST to do Q&A etc. We are telling folks that we recommend any mitigation efforts to be designed for 120Kcfs releases given the continuing uncertainties and anticipated variabilities involved based on a risk-based best engineering judgement. More to follow.

Vr/John

----- Original Message -----

From: Farhat, Jody S NWD02

To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] D NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO

Sent: Wed May 25 22:21:19 2011

Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Lester Cruse [Lester.Cruse@ergon.com]
Sent: Thursday, May 26, 2011 12:55 PM
Subject: Missouri River WAP-HW Trigger Table and National Weather Service River Stage Data 05-26-2011
Attachments: MO RIV WAP HW Trigger Table May 26, 2011.xls; Missouri River 05-26-2011.pdf

<<MO RIV WAP HW Trigger Table May 26, 2011.xls>>

<<Missouri River 05-26-2011.pdf>>

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Tough times never last, but tough people do with Gods Help!

TRIGGER TABLE

NWS	National Weather Service Forecast - 6 am & 5 Day
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[illegible]

*** NOTE: For Falling Gage Readings Review the Table Columns from Right to Left**

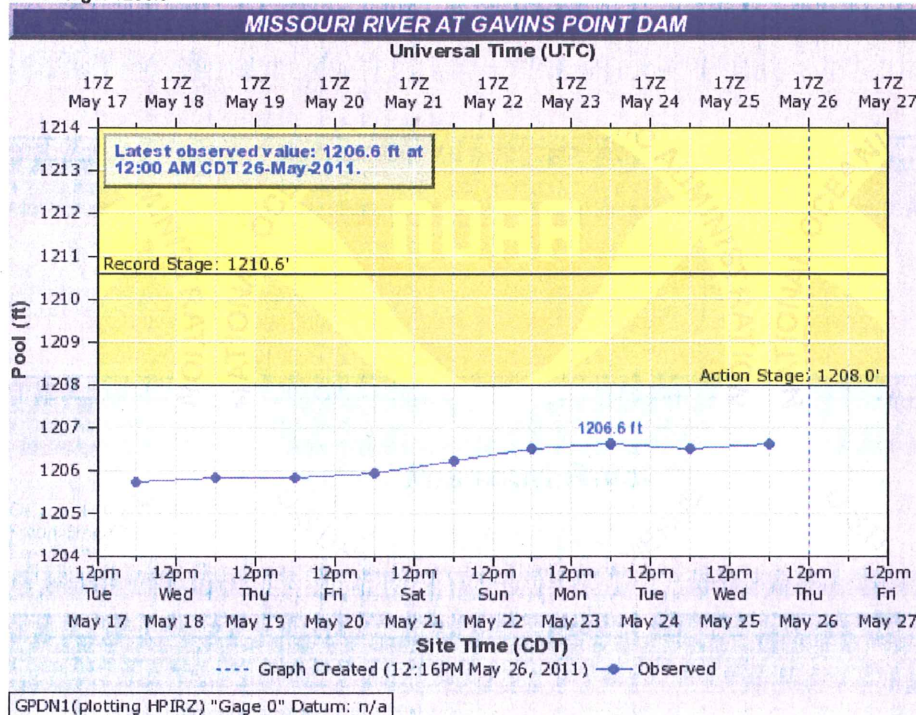
***NOTE: Bridge Tender for Union Pacific RR Bridge at Atchison, KS may close the swingspan section when Atchison river gage reaches 26 ft with a rising river predicted.

Corps of Engineers Two Week Forecast - No predicted rainfall added. The forecast includes water in the tributaries at the gages routed to the Missouri River.

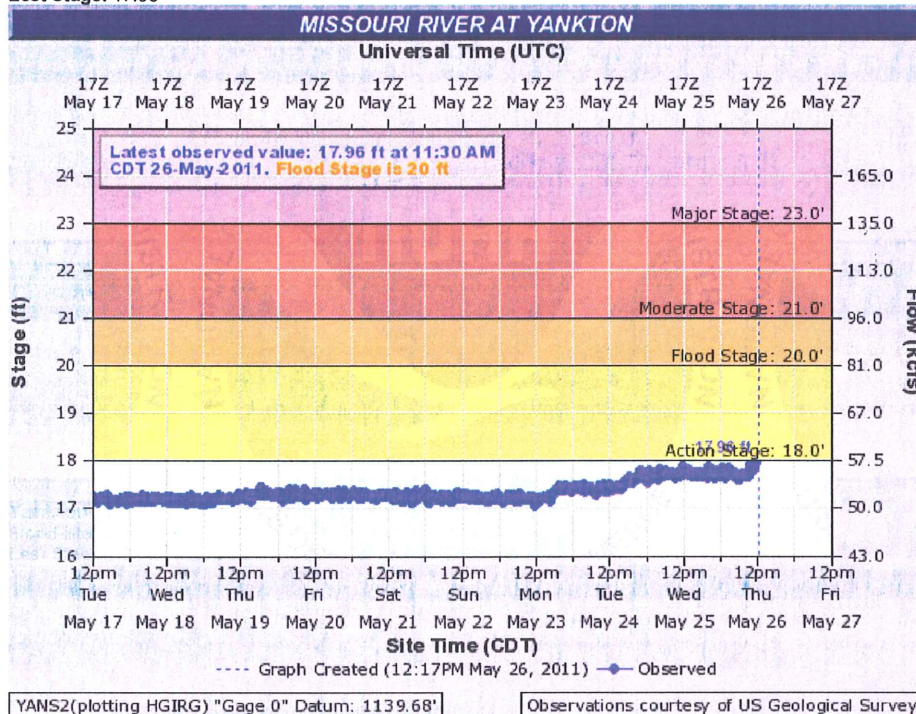
[illegible]

Missouri River

Gavins Point Dam
Flood Stage:n/a
Lest Stage: 1206.6



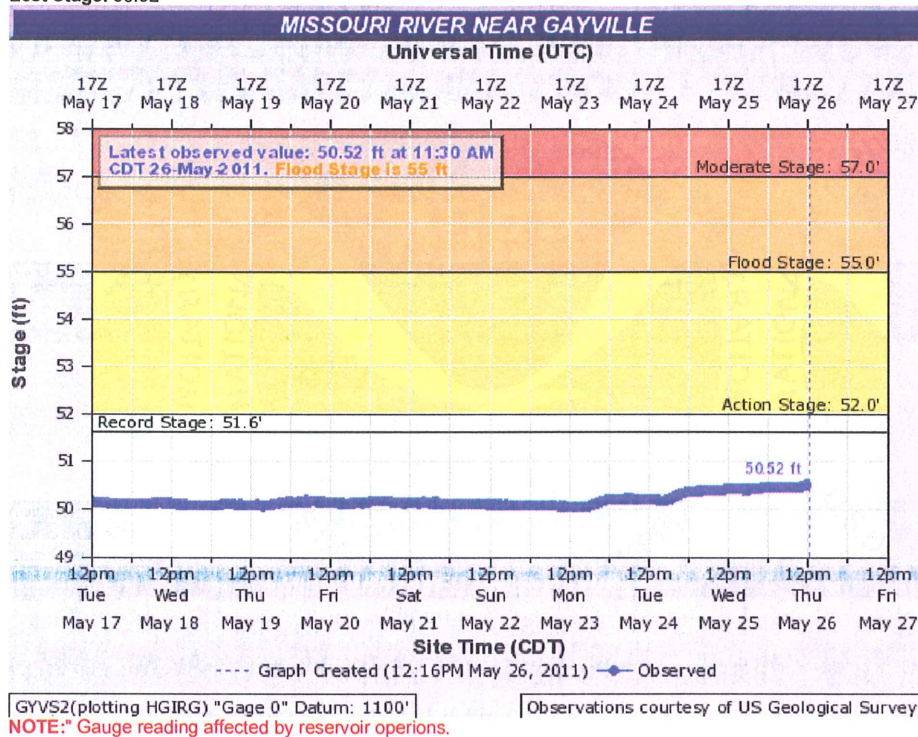
Yankton
Flood Stage:20 Feet
Lest Stage: 17.96



Flood Cegories (in feet)
Major Flood Stage: 23
Moderate Flood Stage: 21
Flood Stage: 20
Action Stage: 18

Historical Crests
(1) 50.50 ft on 04/05/1881
(2) 35.50 ft on 04/13/1952
(3) 34.80 ft on 03/22/1932
(4) 33.60 ft on 04/08/1943
(5) 31.60 ft on 04/24/1950
[Show More Historical Crests](#)

Gayville
Flood Stage:55 Feet
Least Stage: 50.52



NOTE:Forecasts are not available for the Missouri River near Gayville. Only observed stages are available for this point.

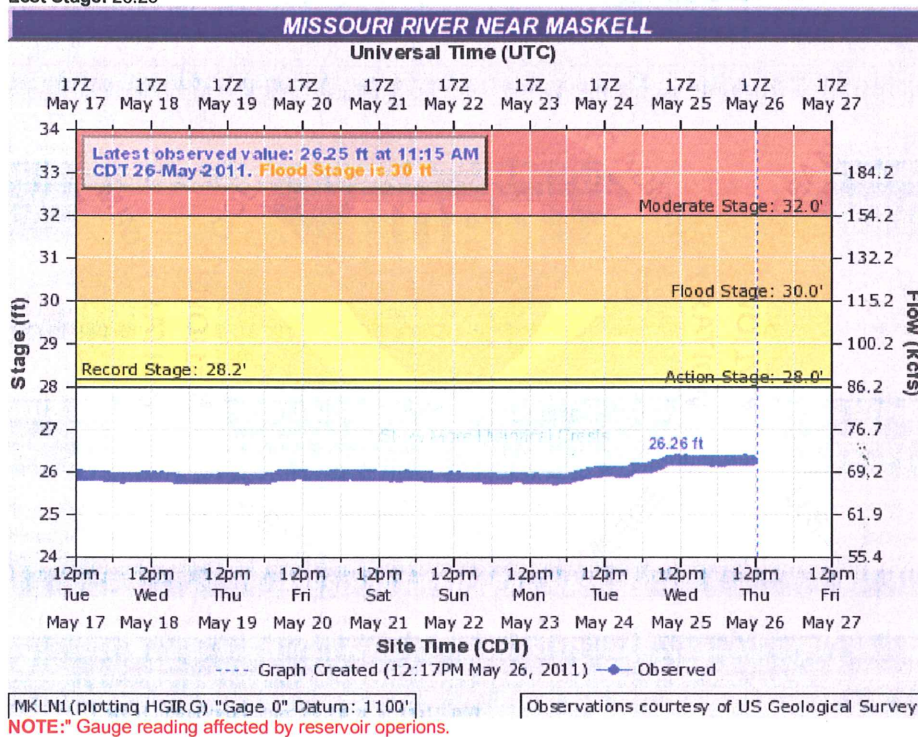
Flood Cegories (in feet)

Major Flood Stage: 60
 Modere Flood Stage: 57
 Flood Stage: 55
 Action Stage: 52

Historical Crests

- (1) 51.61 ft on 10/31/1997
 - (2) 51.14 ft on 07/21/1997
 - (3) 51.00 ft on 06/20/1995
 - (4) 50.82 ft on 01/20/1996
 - (5) 50.22 ft on 01/19/1994
- [Show More Historical Crests](#)

Maskell
Flood Stage:30 Feet
Least Stage: 26.25



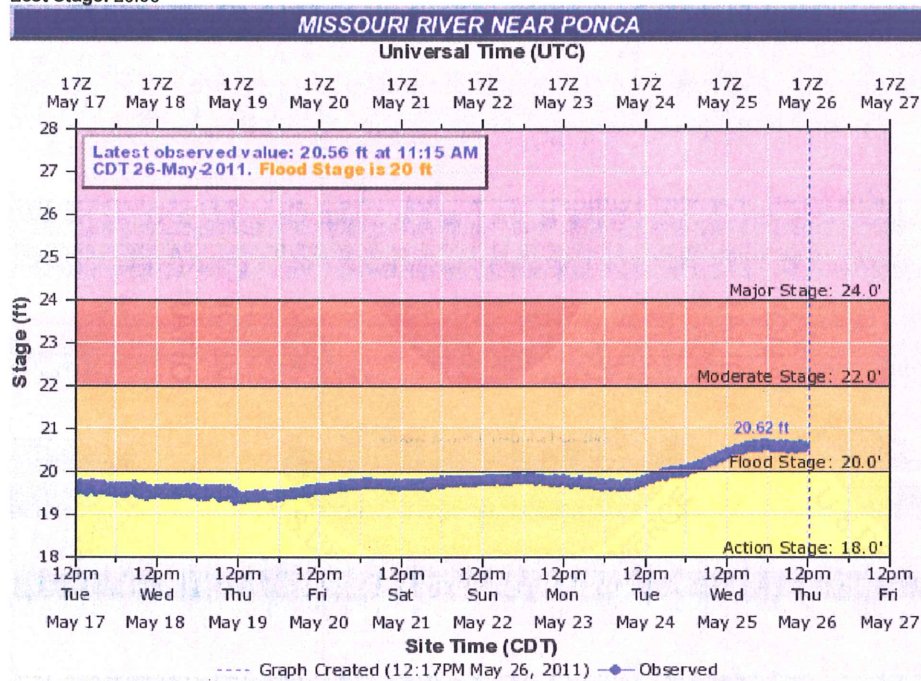
Flood Cegories (in feet)
 Major Flood Stage: 34

Historical Crests
 (1) 28.17 ft on 04/14/1997

Moderate Flood Stage: 32
Flood Stage: 30
Action Stage: 28

(2) 27.25 ft on 07/17/1996
(3) 26.95 ft on 10/06/1997
(4) 26.90 ft on 02/07/1989
(5) 26.48 ft on 01/12/1993
[Show More Historical Crests](#)

Ponca
Flood Stage: 20 Feet
Lest Stage: 20.56



MRPN1(plotting HGIRG) "Gage 0" Datum: 1100'

NOTE: "Gauge reading affected by reservoir operations."

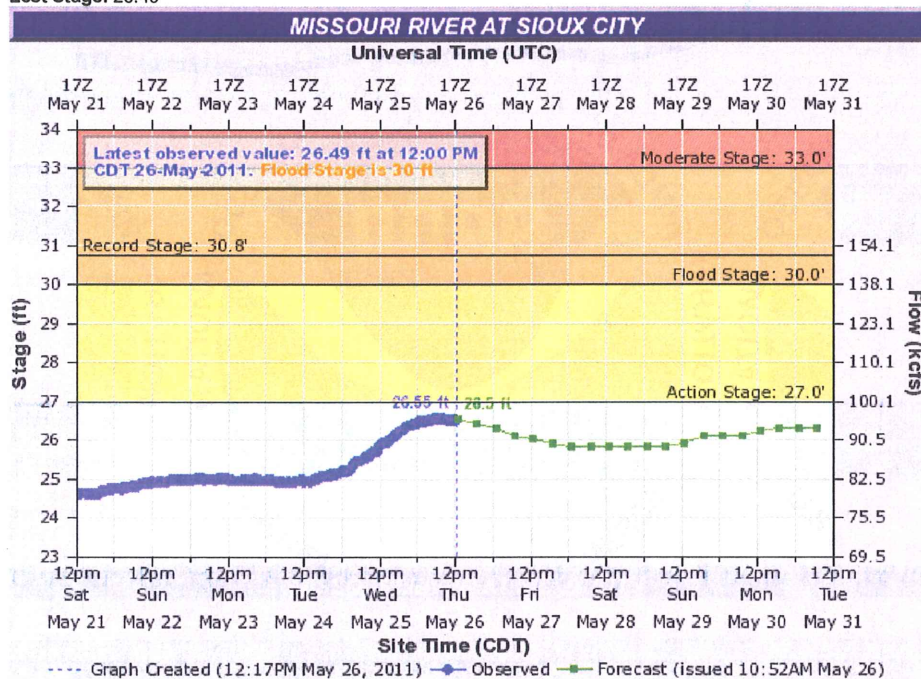
NOTE: Forecasts are not available for the Missouri River near Ponca. Only observed stages are available for this point.

Flood Categories (in feet)

Major Flood Stage: 24
Moderate Flood Stage: 22
Flood Stage: 20
Action Stage: 18

Historical Crests

Sioux City
Flood Stage: 30 Feet
Lest Stage: 26.49

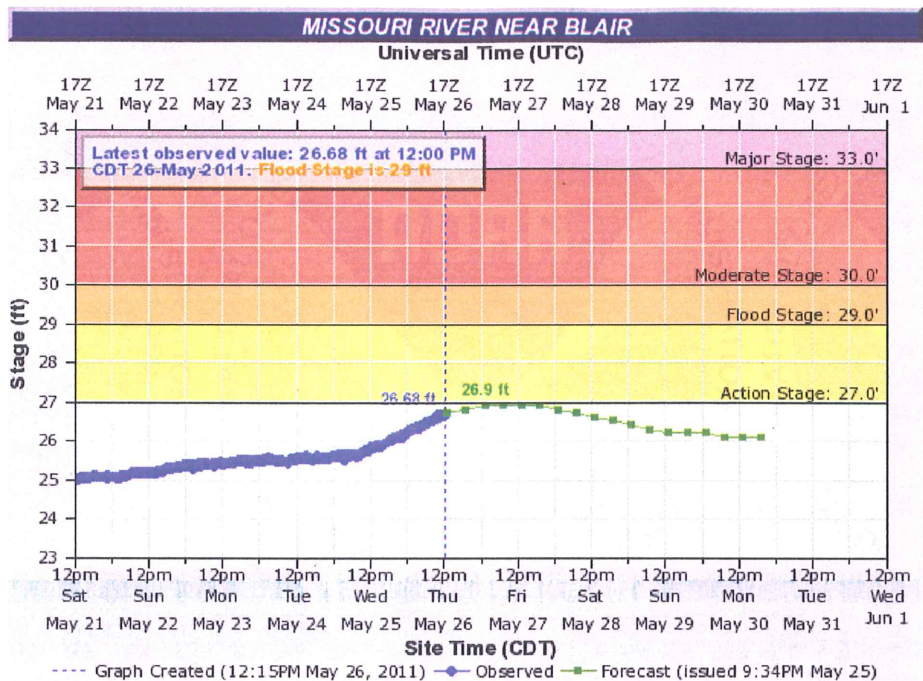


SSCN1(plotting HGIRG) "Gage 0" Datum: 1056.98'

Observations courtesy of US Geological Survey

NOTE: "River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time."

Lest Stage: 26.68



BLAN1(plotting HGIRG) "Gage 0" Datum: 977.58'

Observations courtesy of Army Corps of Engineers

NOTE: Forecasts for the Missouri River near Blair are issued as needed during times of high water, but are not routinely available.

Flood Categories (in feet)

Major Flood Stage: 33
Moderate Flood Stage: 30
Flood Stage: 29
Action Stage: 27

Historical Crests

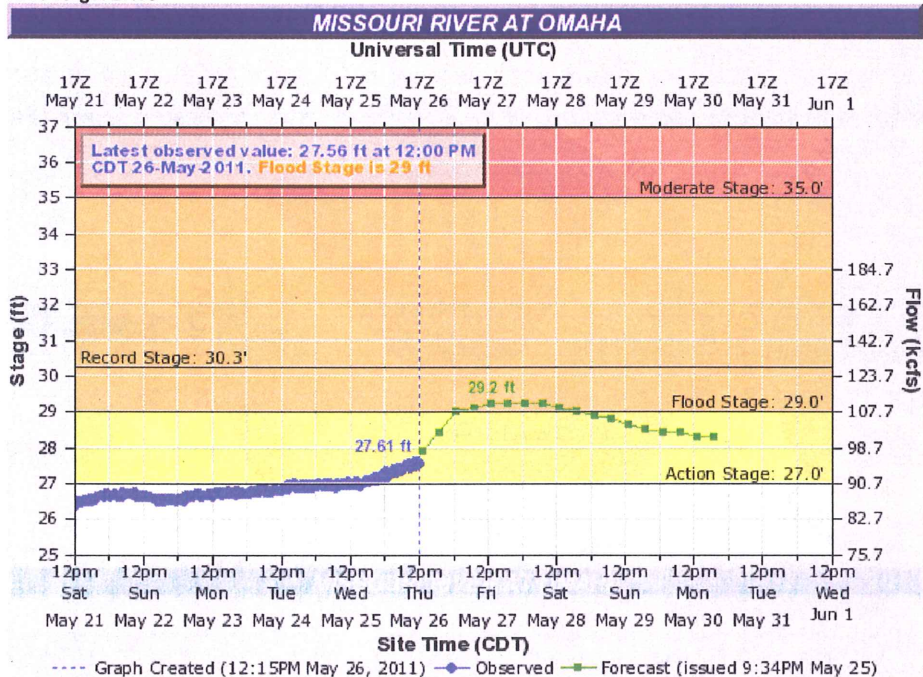
- (1) 27.53 ft on 12/17/1969
- (2) 27.48 ft on 06/27/1984
- (3) 27.43 ft on 07/10/1993
- (4) 26.93 ft on 06/30/2010
- (5) 26.91 ft on 06/22/1996

[Show More Historical Crests](#)

Omaha

Flood Stage: 29 Feet

Least Stage: 27.56



OMHN1(plotting HGIRG) "Gage 0" Datum: 948.24'

Observations courtesy of US Geological Survey

NOTE: Forecasts for the Missouri River Omaha are issued routinely year-round.

Flood Categories (in feet)

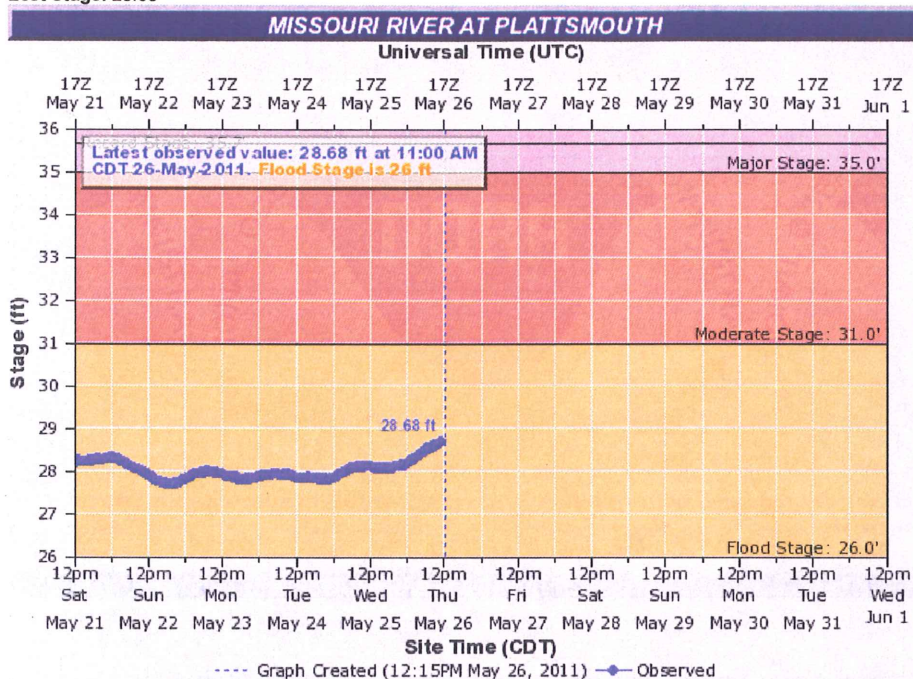
Major Flood Stage: 40
Moderate Flood Stage: 35
Flood Stage: 29
Action Stage: 27

Historical Crests

- (1) 30.26 ft on 07/10/1993
- (2) 29.50 ft on 06/23/1996
- (3) 29.02 ft on 06/27/1984
- (4) 28.74 ft on 08/01/2010
- (5) 27.60 ft on 03/21/2010

[Show More Historical Crests](#)

Flood Stage: 26 Feet
 Lest Stage: 28.68



PTM1(plotting HGIRG) "Gage 0" Datum: 928.31'

Observations courtesy of Army Corps of Engineers

NOTE: Graphical forecasts are not available for the Missouri River Plattsmouth. During times of high water, forecast crest information can be found in the text products.

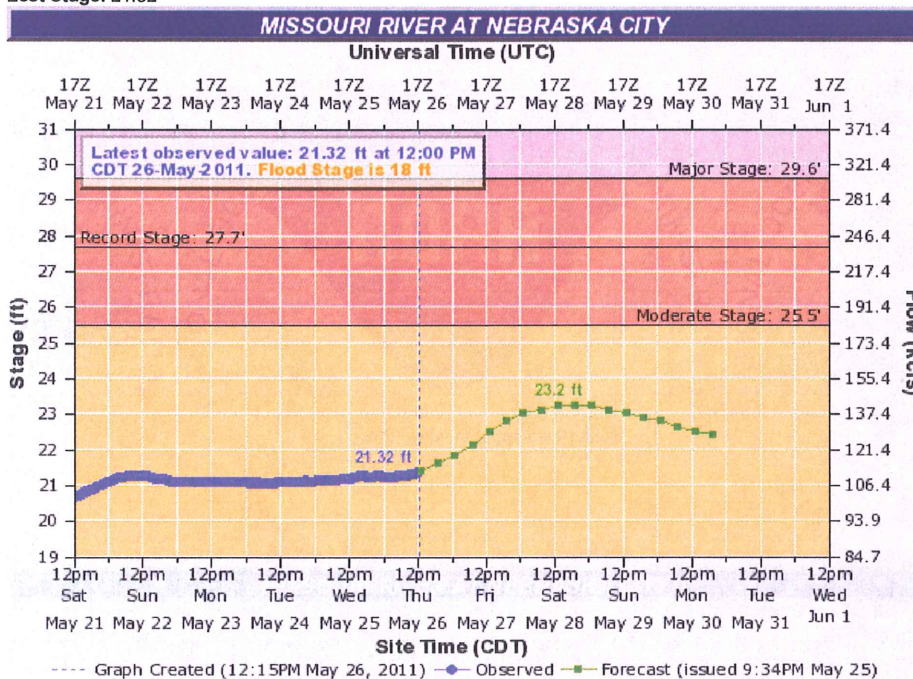
Flood Categories (in feet)

Major Flood Stage: 35
 Moderate Flood Stage: 31
 Flood Stage: 26
 Action Stage: 25

Historical Crests

- (1) 35.65 ft on 07/25/1993
 - (2) 34.66 ft on 06/14/1984
 - (3) 33.31 ft on 06/23/2010
 - (4) 32.60 ft on 04/18/1952
 - (5) 31.90 ft on 03/21/1978
- [Show More Historical Crests](#)

Nebraska City
 Flood Stage: 18 Feet
 Lest Stage: 21.32



NEBN1(plotting HGIRG) "Gage 0" Datum: 905.36'

Observations courtesy of US Geological Survey

NOTE: Forecasts for the Missouri River Nebraska City are issued routinely year-round.

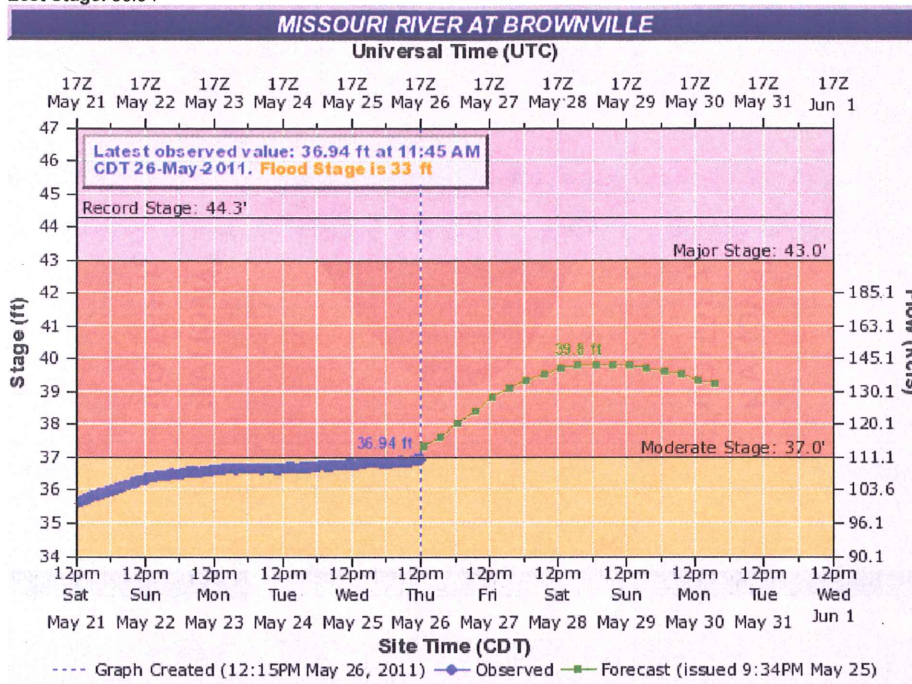
Flood Categories (in feet)

Major Flood Stage: 29.6
 Moderate Flood Stage: 25.5
 Flood Stage: 18
 Action Stage: 16

Historical Crests

- (1) 27.66 ft on 04/18/1952
 - (2) 27.19 ft on 07/23/1993
 - (3) 25.21 ft on 06/21/2010
 - (4) 24.94 ft on 06/15/2010
 - (5) 24.78 ft on 06/15/1984
- [Show More Historical Crests](#)

Brownville
Flood Stage:33 Feet
Least Stage: 36.94

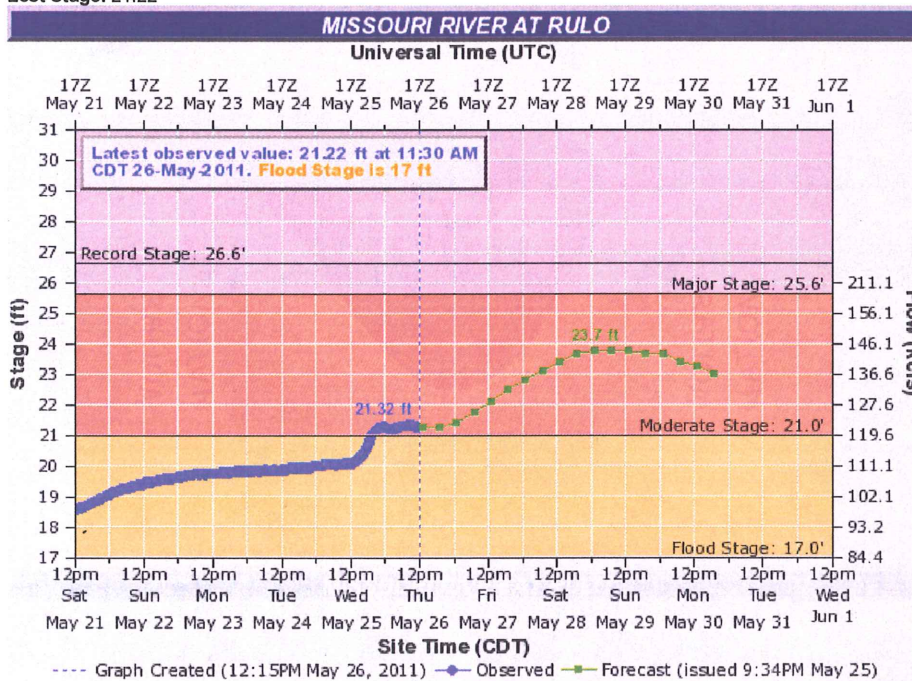


BRON1(plotting HGIRG) "Gage 0" Datum: 860' Observations courtesy of Army Corps of Engineers
 NOTE:Forecasts for the Missouri River Brownville are issued routinely year-round.

Flood Cegories (in feet)
 Major Flood Stage: 43
 Modere Flood Stage:37
 Flood Stage: 33
 Action Stage: 31.5

Historical Crests
 (1) 44.30 ft on 07/24/1993
 (2) 42.89 ft on 06/23/2010
 (3) 41.20 ft on 06/15/1984
 (4) 40.70 ft on 04/17/1952
 (5) 40.15 ft on 06/14/2008
[Show More Historical Crests](#)

Rulo
Flood Stage:17 Feet
Least Stage: 21.22



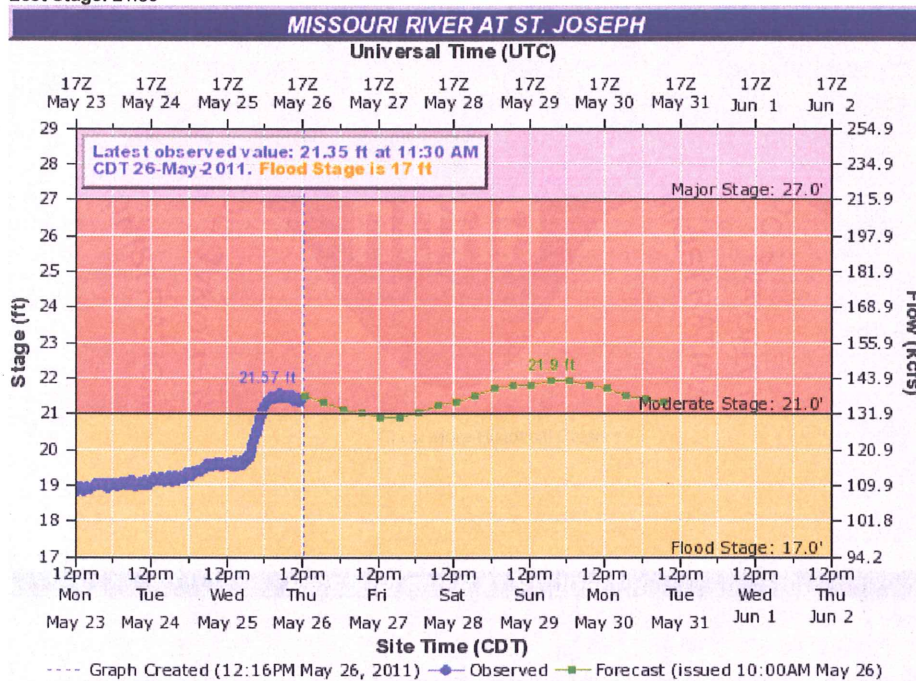
RULN1(plotting HGIRG) "Gage 0" Datum: 837.23' Observations courtesy of US Geological Survey
 NOTE:Forecasts for the Missouri River Rulo are issued routinely year-round.

Flood Cegories (in feet)
 Major Flood Stage: 25.6
 Modere Flood Stage:21
 Flood Stage: 17
 Action Stage: 15

Historical Crests
 (1) 26.63 ft on 06/23/2010
 (2) 25.37 ft on 07/24/1993
 (3) 25.09 ft on 05/07/2007
 (4) 24.98 ft on 06/14/2008
 (5) 24.40 ft on 06/16/1984

[Show More Historical Crests](#)

St. Joseph
Flood Stage: 17 Feet
Least Stage: 21.35



SJSM7(plotting HGIRG) "Gage 0" Datum: 788.19'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River St. Joseph are issued routinely year-round.

Flood Categories (in feet)

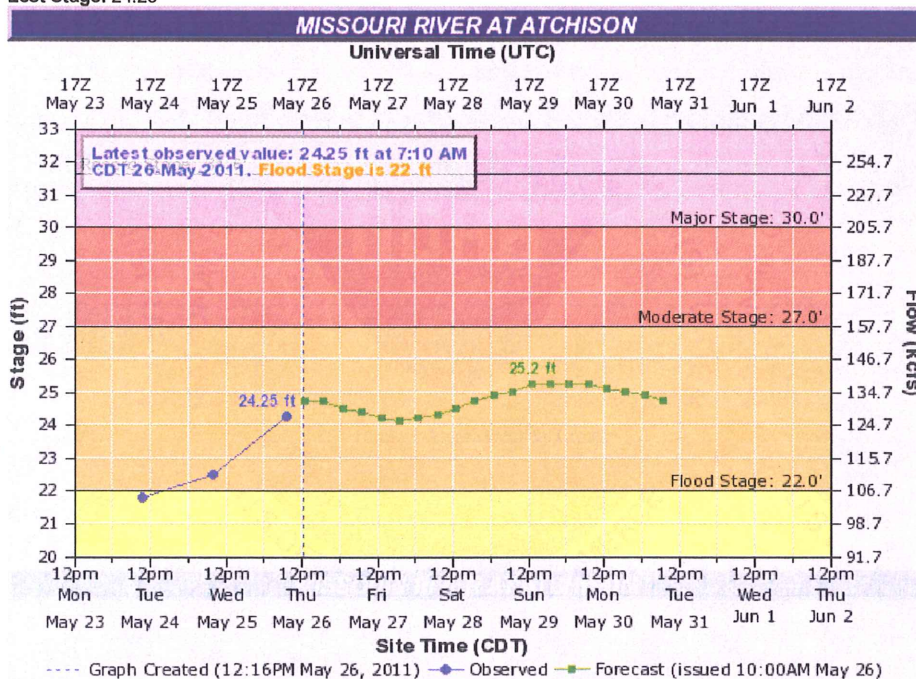
Major Flood Stage: 27
 Moderate Flood Stage: 21
 Flood Stage: 17
 Action Stage: 14

Historical Crests

- (1) 32.07 ft on 07/26/1993
- (2) 27.20 ft on 04/29/1881
- (3) 26.82 ft on 04/22/1952
- (4) 26.17 ft on 06/25/2010
- (5) 25.78 ft on 03/03/1979

[Show More Historical Crests](#)

Achison
Flood Stage: 22 Feet
Least Stage: 24.25



ATCK1(plotting HGIRZ) "Gage 0" Datum: 762.2'

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE:Forecasts for the Missouri River chison are issued as needed during times of high wer, but are not routinely available.

Flood Cegories (in feet)

Major Flood Stage: 30
 Modere Flood Stage: 27
 Flood Stage: 22
 Action Stage: 19

Historical Crests

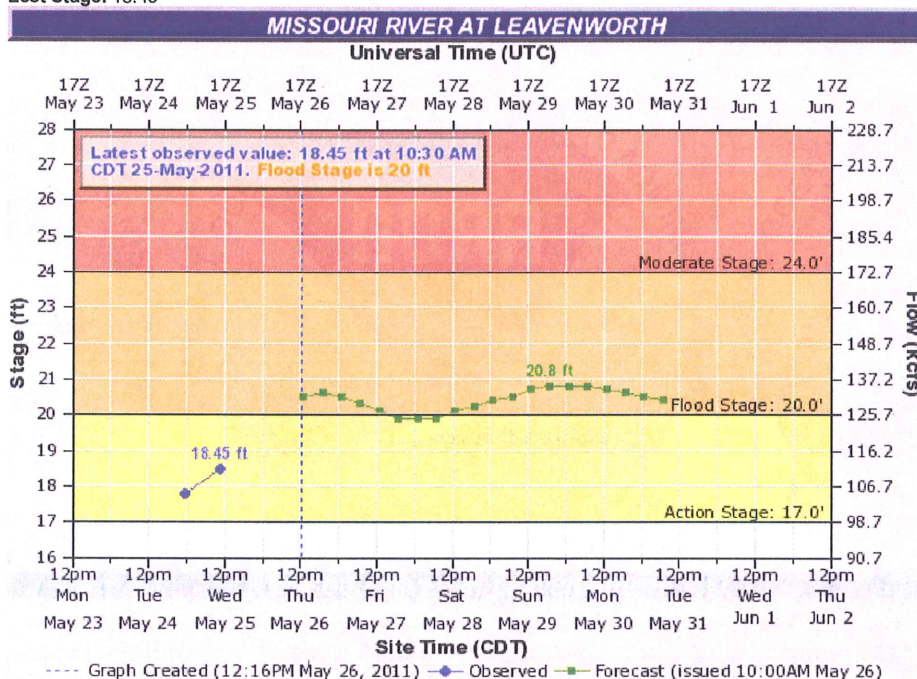
- (1) 31.63 ft on 07/26/1993
- (2) 29.83 ft on 06/25/2010
- (3) 29.50 ft on 04/23/1952
- (4) 29.15 ft on 05/08/2007
- (5) 28.85 ft on 06/13/2008

[Show More Historical Crests](#)

Leavenworth

Flood Stage:20 Feet

Lest Stage: 18.45



LEVK1(plotting HGIRZ) "Gage 0" Datum: 742.21' Observations courtesy of Leavenworth County Emer. Mgmt

NOTE:" Gauge reading only in high-wer situations.

NOTE:Forecasts for the Missouri River Leavenworth are issued as needed during times of high wer, but are not routinely available.

Flood Cegories (in feet)

Major Flood Stage: 30
 Modere Flood Stage: 24
 Flood Stage: 20
 Action Stage: 17

Historical Crests

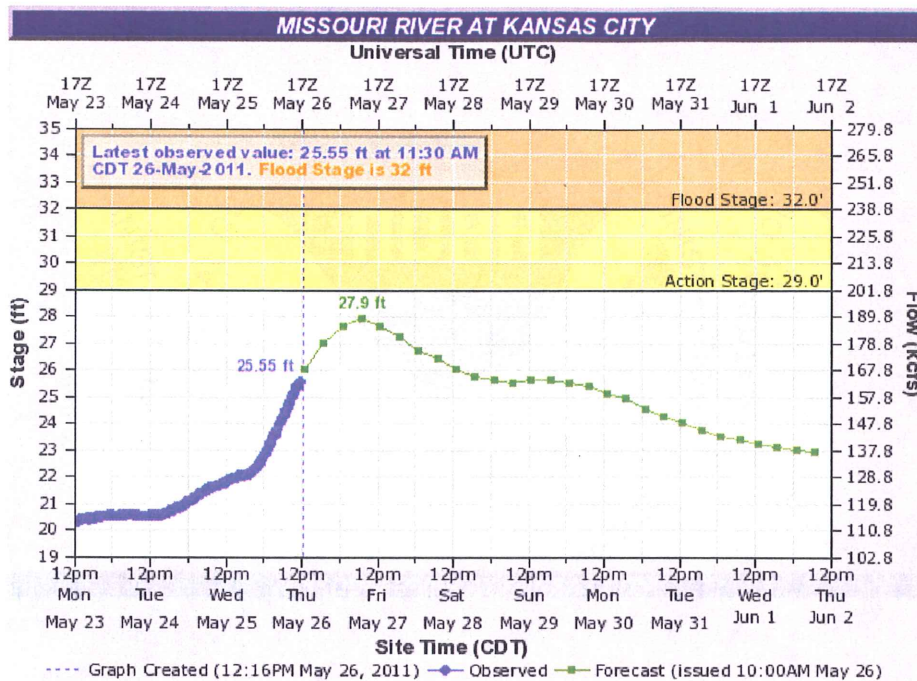
- (1) 35.34 ft on 07/28/1993
- (2) 26.82 ft on 05/09/2007
- (3) 25.65 ft on 06/13/2008
- (4) 25.50 ft on 06/25/2010
- (5) 24.20 ft on 06/26/1996

[Show More Historical Crests](#)

Kansas City

Flood Stage:32 Feet

Lest Stage: 25.55



KCDM7(plotting HGIRG) "Gage 0" Datum: 706.4'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River Kansas City are issued routinely year-round.

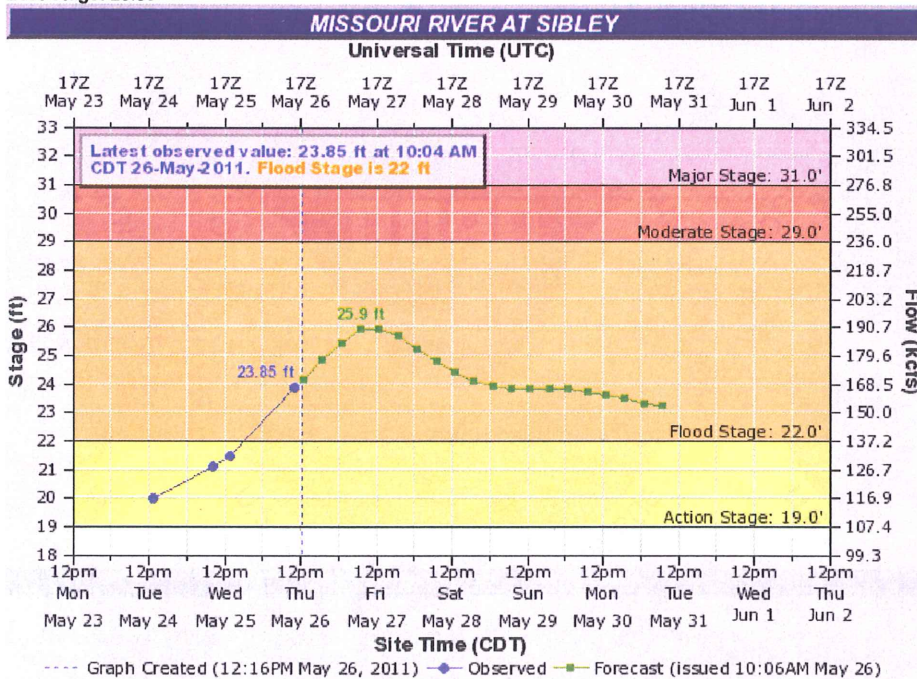
Flood Categories (in feet)

Major Flood Stage: 49
 Moderate Flood Stage: 35
 Flood Stage: 32
 Action Stage: 29

Historical Crests

- (1) 48.87 ft on 07/27/1993
 - (2) 48.00 ft on 06/15/1844
 - (3) 46.20 ft on 07/14/1951
 - (4) 45.00 ft on 06/01/1903
 - (5) 40.60 ft on 04/24/1952
- [Show More Historical Crests](#)

Sibley
 Flood Stage: 22 Feet
 Least Stage: 23.85



SBEM7(plotting HGIRZ) "Gage 0" Datum: 683.92'

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River Sibley are issued as needed during times of high water, but are not routinely available.

Flood Categories (in feet)

Major Flood Stage: 31
 Moderate Flood Stage: 29
 Flood Stage: 22

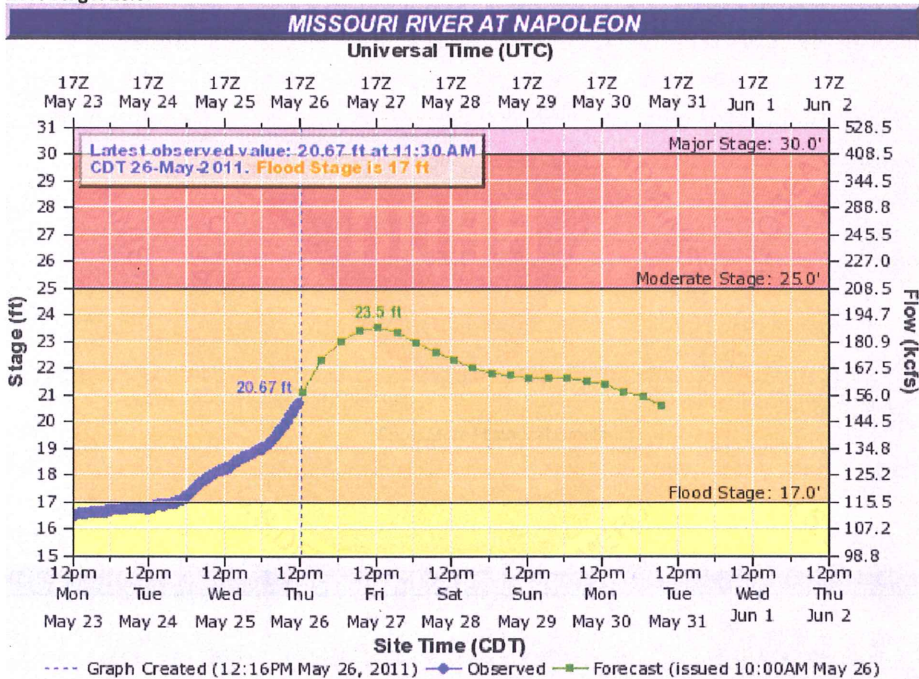
Historical Crests

- (1) 35.91 ft on 07/29/1993
- (2) 35.58 ft on 07/14/1951
- (3) 32.80 ft on 05/08/2007

Action Stage: 19

(4) 32.60 ft on 06/03/1903
(5) 29.50 ft on 04/29/1999
[Show More Historical Crests](#)

Napoleon
Flood Stage: 17 Feet
Lest Stage: 20.67



NAPM7(plotting HGIRG) "Gage 0" Datum: 680.2'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River Napoleon are issued routinely year-round.

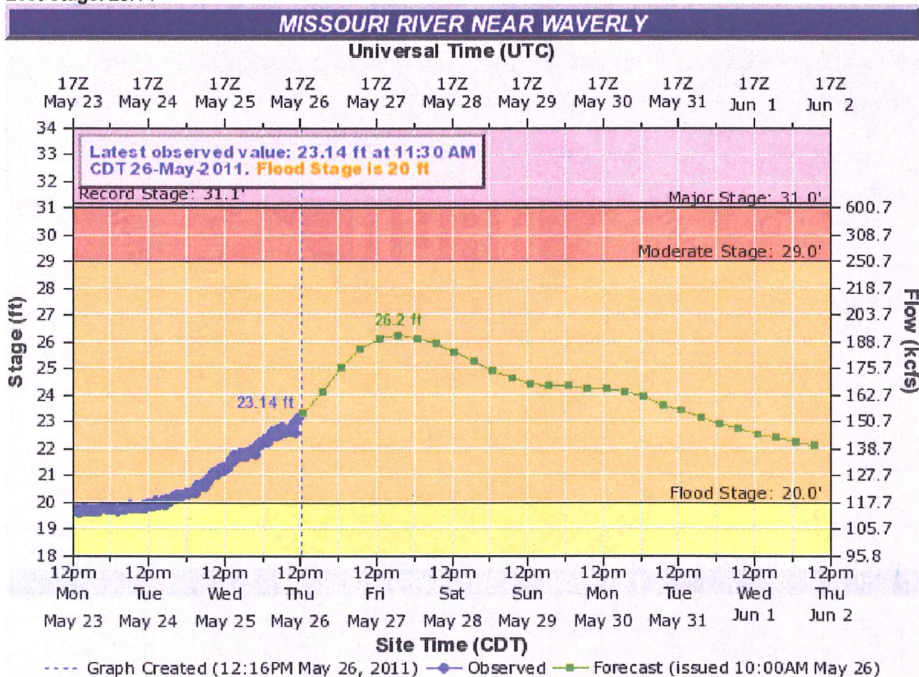
Flood Categories (in feet)

Major Flood Stage: 30
Moderate Flood Stage: 25
Flood Stage: 17
Action Stage: 14

Historical Crests

(1) 28.86 ft on 05/09/2007
(2) 27.40 ft on 05/19/1995
(3) 26.80 ft on 07/15/1951
(4) 26.70 ft on 07/11/1993
(5) 26.56 ft on 05/25/1995
[Show More Historical Crests](#)

near Waverly
Flood Stage: 20 Feet
Lest Stage: 23.14



WVYM7(plotting HGIRG) "Gage 0" Datum: 646'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River near Waverly are issued routinely year-round.

Flood Categories (in feet)

Major Flood Stage: 31

Moderate Flood Stage: 29

Flood Stage: 20

Action Stage: 17

Historical Crests

(1) 31.15 ft on 07/27/1993

(2) 30.10 ft on 05/08/2007

(3) 29.20 ft on 06/23/1984

(4) 29.04 ft on 06/30/1999

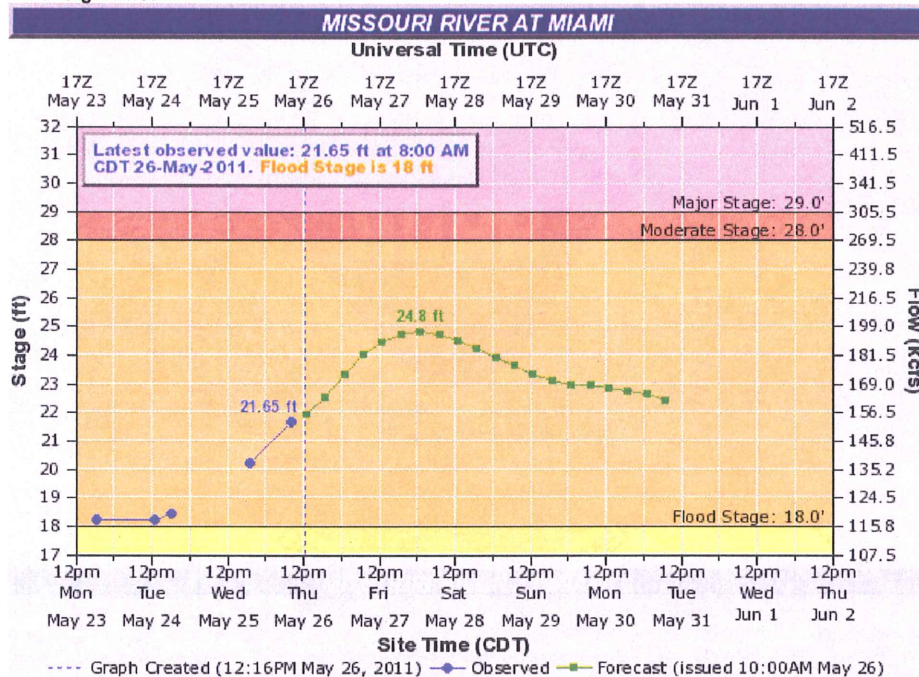
(5) 28.85 ft on 10/13/1973

[Show More Historical Crests](#)

Miami

Flood Stage: 18 Feet

Least Stage: 21.65



MIAM7(plotting HGIRZ) "Gage 0" Datum: 621.35'

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River Miami are issued as needed during times of high water, but are not routinely available.

Flood Categories (in feet)

Major Flood Stage: 29

Moderate Flood Stage: 28

Flood Stage: 18

Action Stage: 15

Historical Crests

(1) 32.60 ft on 07/30/1993

(2) 29.48 ft on 05/11/2007

(3) 29.00 ft on 07/16/1951

(4) 28.50 ft on 06/19/2010

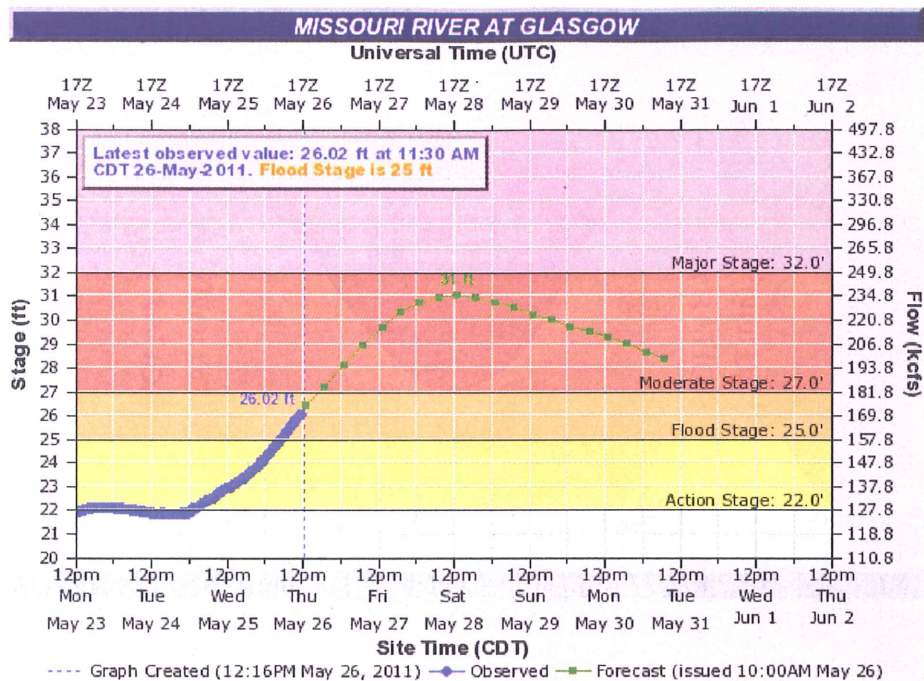
(5) 28.40 ft on 05/20/1995

[Show More Historical Crests](#)

Glasgow

Flood Stage: 25 Feet

Least Stage: 26.02



GLZM7(plotting HGIRG) "Gage 0" Datum: 586.49'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River Glasgow are issued routinely year-round.

Flood Categories (in feet)

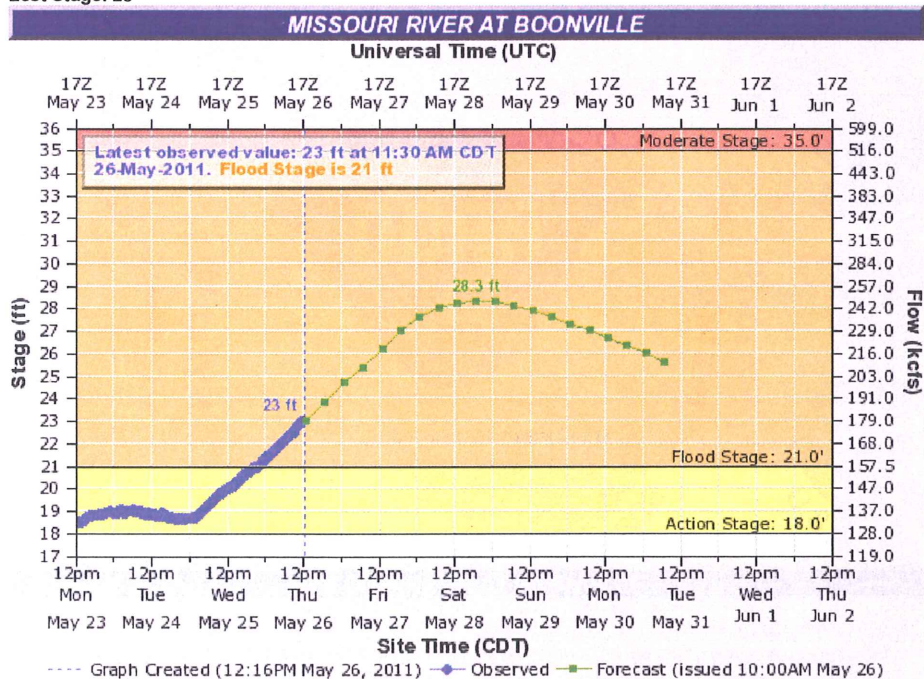
Major Flood Stage: 32
Moderate Flood Stage: 27
Flood Stage: 25
Action Stage: 22

Historical Crests

- (1) 39.50 ft on 07/29/1993
- (2) 37.40 ft on 07/13/1993
- (3) 36.70 ft on 07/17/1951
- (4) 35.00 ft on 06/26/1947
- (5) 34.76 ft on 05/29/1995

[Show More Historical Crests](#)

Boonville
Flood Stage: 21 Feet
Least Stage: 23



BOZM7(plotting HGIRG) "Gage 0" Datum: 565.42'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River Boonville are issued routinely year-round.

Flood Categories (in feet)

Major Flood Stage: 36
Moderate Flood Stage: 35
Flood Stage: 21

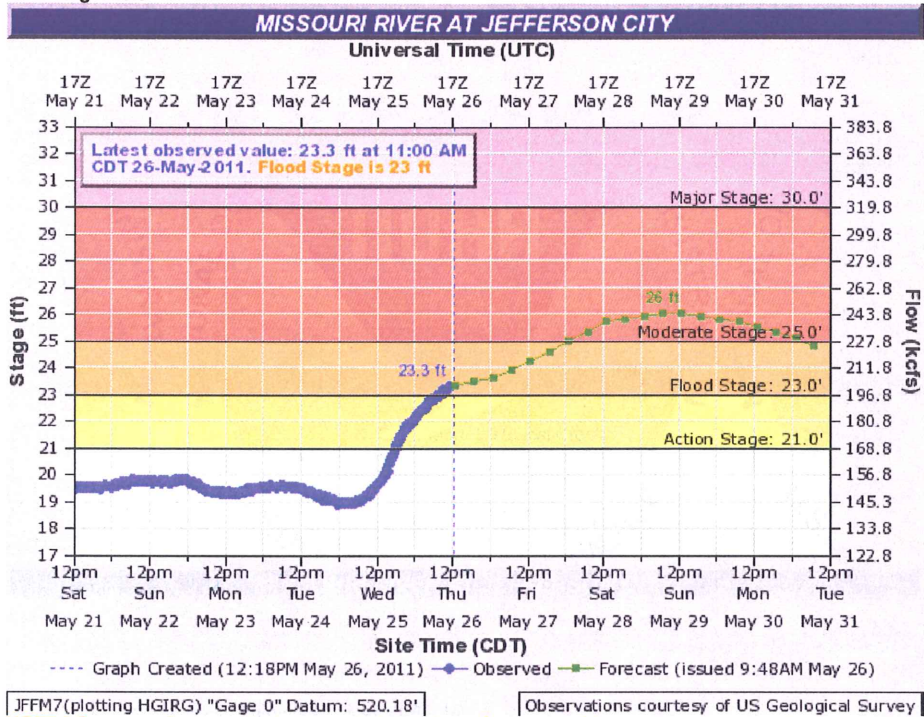
Historical Crests

- (1) 37.10 ft on 07/29/1993
- (2) 33.14 ft on 05/19/1995
- (3) 32.80 ft on 07/17/1951

Action Stage: 18

(4) 32.70 ft on 06/21/1844
(5) 32.00 ft on 06/27/1947
[Show More Historical Crests](#)

Jefferson City
Flood Stage: 23 Feet
Least Stage: 23.3



JFFM7(plotting HGIRG) "Gage 0" Datum: 520.18'

Observations courtesy of US Geological Survey

NOTE: Gauge readings may be inaccurate during periods of extreme cold.

NOTE: Forecasts for the Missouri River Jefferson City are issued routinely year-round.

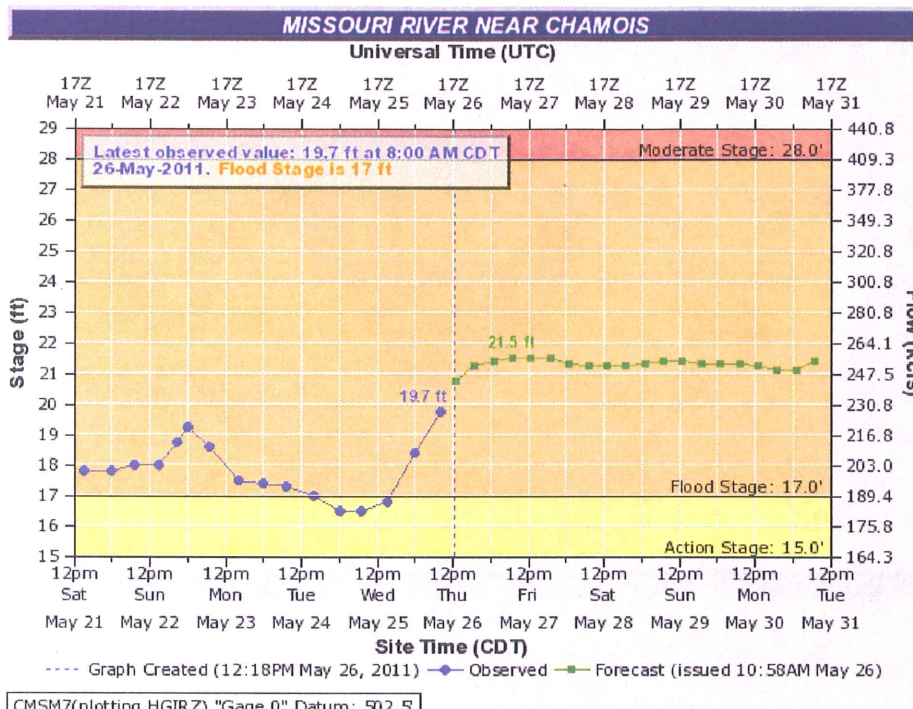
Flood Categories (in feet)

Major Flood Stage: 30
Moderate Flood Stage: 25
Flood Stage: 23
Action Stage: 21

Historical Crests

(1) 38.30 ft on 07/31/1993
(2) 34.20 ft on 07/18/1951
(3) 33.05 ft on 05/19/1995
(4) 32.60 ft on 10/05/1986
(5) 32.18 ft on 04/27/1944
(6) 31.40 ft on 04/24/1973
(7) 30.59 ft on 06/08/2001
(8) 29.95 ft on 10/07/1998
(9) 29.67 ft on 09/16/2008
(10) 29.46 ft on 05/13/2007
[Show More Historical Crests](#)

near Chamois
Flood Stage: 17 Feet
Least Stage: 19.7



CMSM7(plotting HGIRZ) "Gage 0" Datum: 502.5'

NOTE: "Gauge readings received once daily during low-wer and more frequently during high wer."

NOTE: Forecasts for the Missouri River near Chamois are issued routinely year-round.

Flood Cegories (in feet)

Major Flood Stage: 31
 Modere Flood Stage: 28
 Flood Stage: 17
 Action Stage: 15

Historical Crests

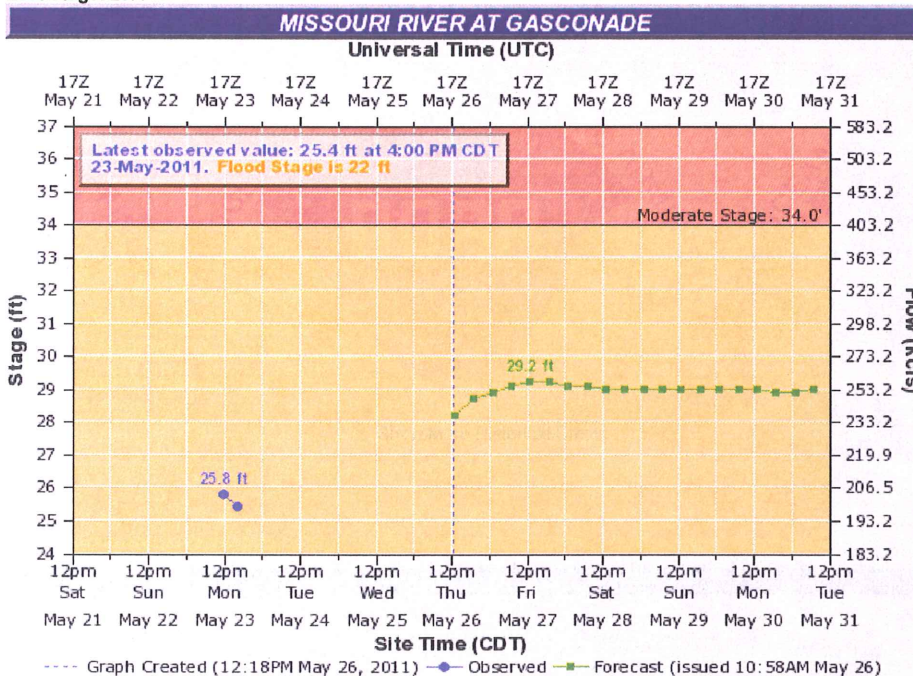
- (1) 33.30 ft on 07/31/1993
- (2) 28.70 ft on 04/24/1973
- (3) 27.17 ft on 09/16/2008
- (4) 26.70 ft on 05/18/1990
- (5) 26.30 ft on 04/13/1994
- (6) 26.30 ft on 02/25/1985
- (7) 25.20 ft on 06/28/1967
- (8) 25.10 ft on 05/03/1983
- (9) 25.00 ft on 06/09/2001
- (10) 24.80 ft on 07/23/1958

[Show More Historical Crests](#)

Gasconade

Flood Stage: 22 Feet

Lest Stage: 25.4



GSCM7(plotting HGIRZ) "Gage 0" Datum: 484.8'

Observations courtesy of US Geological Survey

NOTE: "We are looking for a volunteer to monitor this river gauge. If interested, contact the local NWS office."

Reliability of the Forecast: Unavailable due to missing or inaccure readings

NOTE:Forecasts for the Missouri River Gasconade are issued as needed during times of high water, but are not routinely available.

Flood Categories (in feet)

Major Flood Stage: 37
Moderate Flood Stage: 34
Flood Stage: 22
Action Stage: 20

Historical Crests

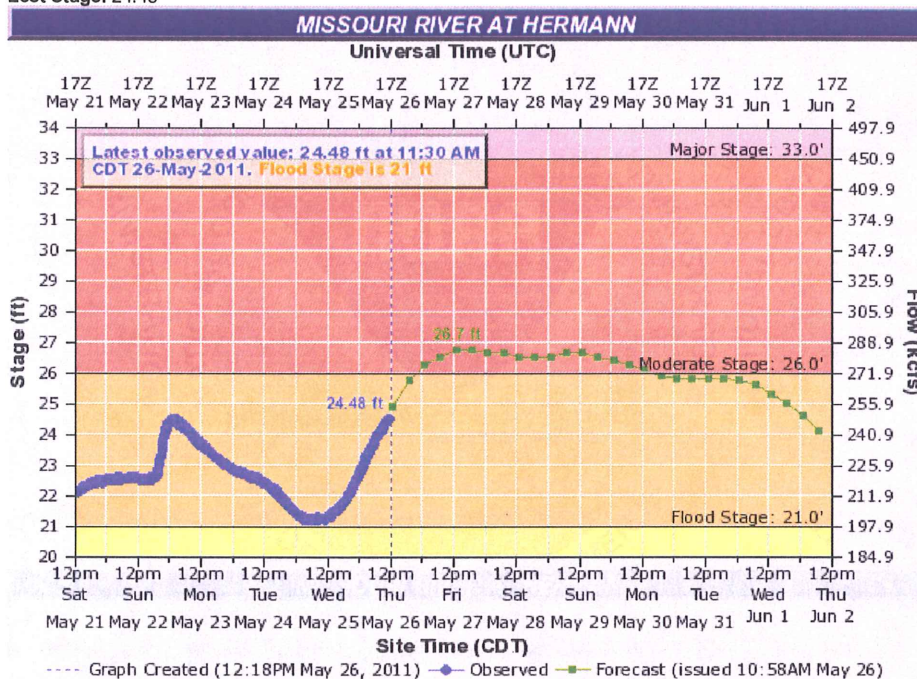
- (1) 39.60 ft on 07/31/1993
- (2) 38.60 ft on 10/06/1986
- (3) 37.60 ft on 05/19/1995
- (4) 36.40 ft on 04/24/1973
- (5) 35.50 ft on 05/03/1983
- (6) 35.40 ft on 02/25/1985
- (7) 35.30 ft on 05/18/1990
- (8) 34.80 ft on 12/07/1982
- (9) 34.60 ft on 09/15/2008
- (10) 33.10 ft on 05/15/2002

[Show More Historical Crests](#)

Hermann

Flood Stage: 21 Feet

Least Stage: 24.48



HRNM7(plotting HGIRG) "Gage 0" Datum: 481.56'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE:Forecasts for the Missouri River Hermann are issued routinely year-round.

Flood Categories (in feet)

Major Flood Stage: 33
Moderate Flood Stage: 26
Flood Stage: 21
Action Stage: 19

Historical Crests

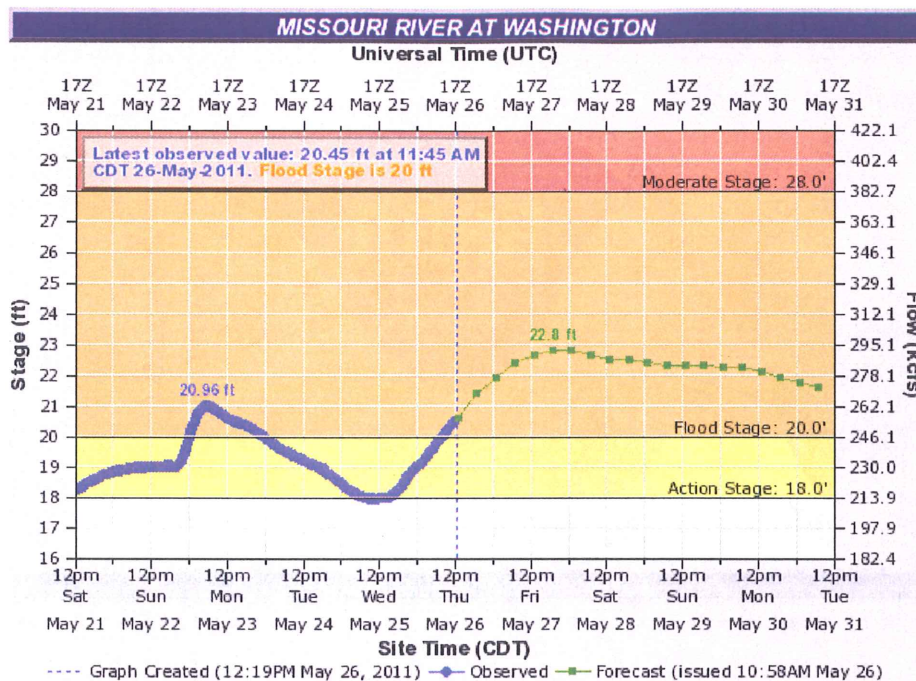
- (1) 36.97 ft on 07/31/1993
- (2) 36.22 ft on 05/19/1995
- (3) 35.79 ft on 10/06/1986
- (4) 35.50 ft on 06/01/1844
- (5) 33.66 ft on 04/24/1973
- (6) 33.00 ft on 07/19/1951
- (7) 32.40 ft on 05/18/1990
- (8) 31.70 ft on 09/29/1993
- (9) 31.34 ft on 09/16/2008
- (10) 30.20 ft on 03/26/1978

[Show More Historical Crests](#)

Washington

Flood Stage: 20 Feet

Least Stage: 20.45



WHGM7(plotting HGIRG) "Gage 0" Datum: 457.56'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE: Forecasts for the Missouri River Washington are issued routinely year-round.

Flood Categories (in feet)

Major Flood Stage: 31
 Moderate Flood Stage: 28
 Flood Stage: 20
 Action Stage: 18

Historical Crests

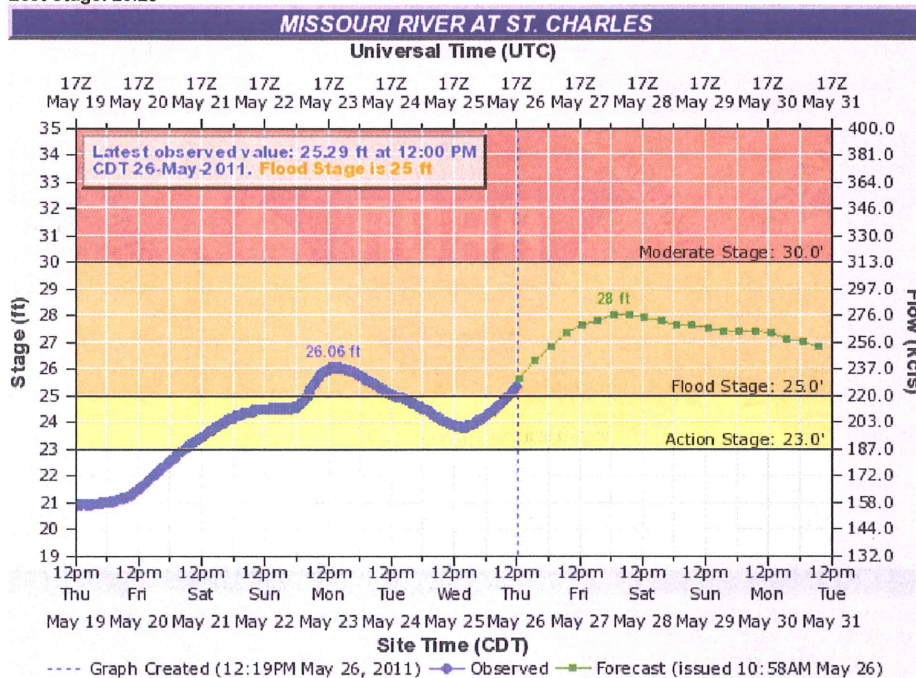
- (1) 35.40 ft on 07/31/1993
- (2) 32.90 ft on 05/19/1995
- (3) 32.50 ft on 10/06/1986
- (4) 32.25 ft on 06/01/1844
- (5) 30.90 ft on 07/19/1951
- (6) 30.10 ft on 04/24/1973
- (7) 29.60 ft on 09/24/1993
- (8) 29.20 ft on 04/14/1994
- (9) 28.40 ft on 05/28/1990
- (10) 28.30 ft on 12/07/1982

[Show More Historical Crests](#)

St. Charles

Flood Stage: 25 Feet

Least Stage: 25.29



SCLM7(plotting HGIRG) "Gage 0" Datum: 413.58'

Observations courtesy of US Geological Survey

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

NOTE:Forecasts for the Missouri River St. Charles are issued routinely year-round.

Flood Cegories (in feet)

Major Flood Stage: 36

Modere Flood Stage: 30

Flood Stage: 25

Action Stage: 23

Historical Crests

(1) 40.11 ft on 06/24/1884

(2) 40.04 ft on 08/02/1993

(3) 37.50 ft on 10/07/1986

(4) 36.50 ft on 05/21/1995

(5) 36.40 ft on 04/26/1973

(6) 35.40 ft on 04/15/1994

(7) 34.60 ft on 05/19/1990

(8) 34.00 ft on 02/26/1985

(9) 33.90 ft on 05/04/1983

(10) 33.90 ft on 12/07/1982

[Show More Historical Crests](#)

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:55 PM
To: Schenk, Kathryn M NWO
Cc: [REDACTED] NWO; [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED]
[REDACTED] NWD02
Subject: Big Bend - Tribal Contacts (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Katie

I visited the LBST and CCST tribal halls this morning to give them a heads up on lake levels and current water discharge plans.

At Lower Brule I was able to brief Council member Orvill "Red" Langdeau Jr. I left him with my card and he said he would brief the Chairman and council.

At Crow Creek the Chairman and council were unavailable. I left a business card and said I would stop in again today or tomorrow morning.

Lake Sharpe is currently ~ EL1419.1 and it is visible along the rip-rap that we are down.

Pumps

We are loading up two 16" Pumps and hose sets right now. They are heading to Bismarck, ND.

v/r

[REDACTED]
Operations Project Manager
Big Bend Project
"The Jewel on the Missouri River"

[REDACTED] Fax

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 12:54 PM
To: Farhat, Jody S NWD02
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thanks.

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:32 PM
To: [REDACTED] NWD
Subject: FW: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] - I keep remembering folks that should have been included on the original distributions list. Sorry.

Please use this for talking points, but don't send it out to your distribution list.

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:21 AM
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO
Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:45 PM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWO
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody,
Lets talk after the CMT call.....Joel

[REDACTED]
Tribal Liaison
USACE Omaha District
1616 Capitol Ave, Suite 9000
Omaha, NE 68102-4901
Voicemail (402) [REDACTED]
Fax (402) [REDACTED]
[\[REDACTED\]@usace.army.mil](mailto:[REDACTED]@usace.army.mil)

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 9:06 AM
To: [REDACTED] NWO
Cc: [REDACTED] NWO
Subject: FW: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Joel - Sorry to miss you on the original distribution. We may need to set up calls with some of the tribes regarding this changed release schedule. We had a CODEL call this morning and I assumed the tribes were on the CODEL list, but apparently not - that needs to be rectified.

Give me a call if you have any questions

Jody

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:21 AM
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO

Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 12:43 PM
To: Tipton, Robert A Col NWD
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Feed into the missouri system and basic water control branches and sequels? Thx, kd-a

BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
(202) 374-7245 cell

----- Original Message -----

From: [REDACTED] HQ02
To: Tipton, Robert A Col NWD
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Sent: Thu May 26 12:33:49 2011
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

In the interim, could you send Missouri river basin map that shows the mainstem projects and the 2 KC projects that f BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
[REDACTED]

----- Original Message -----

From: Tipton, Robert A Col NWD
To: [REDACTED] HQ02
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Sent: Thu May 26 11:18:37 2011
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Thanks Maam,

The team will get the MVD product and begin work on what the Chief wants. We just finished inundation charts for the 120K cfs flows at Bismarck and Pierre.

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 9:14 AM
To: Temple, Bo M MG HQ02; McMahon, John R BG NWD; Tipton, Robert A Col NWD
Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

SIR,
NWD is working a product, their engineering folks needs some time to get it right, ie analyses and potential consequences.. BLUF this will be a marathon; long slow releases that will adjust over the next 10 days or more.
More to follow when NWD team has a draft ready.
V/r karen

BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
([REDACTED])

----- Original Message -----

From: Temple, Bo M MG HQ02
To: [REDACTED] HQ02
Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02
Sent: Thu May 26 08:22:25 2011
Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

If possible, would be good to have a flows chart, like the one we have/use for the MR&T that show current/as of today flows (at each of the six dams/reservoirs), anticipated peak flows with anticipated dates. If inundation can be shown at peak, that'd be good as well. This way we'd all have one common picture (as of ...). Thoughts? Thanks!

----- Original Message -----

From: McMahon, John R BG NWD
To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED], [REDACTED] NWD
Sent: Thu May 26 07:43:59 2011
Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Sir:
CLOSE HOLD for the next hour--these are the talking points we plan to follow as derived from our analysis last night--have already touched based with key leaders from ND and SD and will hold a call for them at 0800 CST, followed by a news release immediately following, and then a Media call-in event at 1100 CST to do Q&A etc. We are telling folks that we recommend any mitigation efforts to be designed for 120Kcfs releases given the continuing uncertainties and anticipated variabilities involved based on a risk-based best engineering judgement. More to follow.
Vr/John

----- Original Message -----

From: Farhat, Jody S NWD02

To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED], John J HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; Fink, Keith J NWO; [REDACTED] NWO; [REDACTED] NWO; Perry, Clare E NWD; Tipton, Robert A Col NWD; Hearn, James J NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO

Sent: Wed May 25 22:21:19 2011

Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:43 PM
To: Farhat, Jody S NWD02
Subject: Re: Public meeting in Niobrara (UNCLASSIFIED)

Will do. Thanks.

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWO
Sent: Thu May 26 10:37:35 2011
Subject: RE: Public meeting in Niobrara (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Nope - just offering our help if you wanted it - we've got our hands full already.

Let me know how it goes, and if there's anything we can do to help.

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:27 PM
To: Farhat, Jody S NWD02
Subject: Re: Public meeting in Niobrara (UNCLASSIFIED)

I've got unless you really want to send someone. Not necessary though.

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWO
Sent: Thu May 26 10:07:54 2011
Subject: RE: Public meeting in Niobrara (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Very good. I'm going to Bismarck with the CG otherwise I would try to be there. Do you want someone from my office to attend or do you guys have it?

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 11:56 AM
To: Farhat, Jody S NWD02
Subject: Public meeting in Niobrara

Jody:

Fyi. Dave and I will be holding a public mtg tomorrow night in niobrara.

Tom

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Thursday, May 26, 2011 12:42 PM
To: Farhat, Jody S NWD02
Subject: RE: Working from home today will be on AL tomorrow for a long weekend (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thanks Jody. I am happy to.

[REDACTED]
-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:36 PM
To: [REDACTED] NWD02
Subject: FW: Working from home today will be on AL tomorrow for a long weekend (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I just got off the phone with Erik to see if we could use you for WM support. Paul showed up ydy and is being sent to Bismarck tomorrow. We could really use you to help answer calls, keep talking point updated, draft press releases, etc.

We're good today and through the weekend, but if you could start helping us on Tuesday that would be great.

Jody

-----Original Message-----

From: Blechinger, Erik T NWO
Sent: Thursday, May 26, 2011 12:31 PM
To: [REDACTED] NWD02; [REDACTED] NWD02
Cc: Farhat, Jody S NWD02
Subject: RE: Working from home today will be on AL tomorrow for a long weekend (UNCLASSIFIED)

Rose;

Thanks for stepping up.

Jody;

By all means, please make use of Rose as needed. I know you have your hands full and we will all do what we can to help out.

Erik

-----Original Message-----

From: [REDACTED] NWD02
Sent: Thursday, May 26, 2011 7:39 AM
To: [REDACTED] NWD02
Cc: Blechinger, Erik T NWO; Farhat, Jody S NWD02
Subject: Working from home today will be on AL tomorrow for a long weekend (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Jody: if there is anything I can do to help I can come right in.

Rose

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: Blechinger, Erik T NWO
Sent: Thursday, May 26, 2011 12:31 PM
To: [REDACTED] NWD02; [REDACTED] NWD02
Cc: Farhat, Jody S NWD02
Subject: RE: Working from home today will be on AL tomorrow for a long weekend (UNCLASSIFIED)

[REDACTED]
Thanks for stepping up.

Jody;

By all means, please make use of [REDACTED] as needed. I know you have your hands full and we will all do what we can to help out.

Erik

-----Original Message-----

From: [REDACTED] NWD02
Sent: Thursday, May 26, 2011 7:39 AM
To: [REDACTED] NWD02
Cc: Blechinger, Erik T NWO; Farhat, Jody S NWD02
Subject: Working from home today will be on AL tomorrow for a long weekend (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody: if there is anything I can do to help I can come right in.

[REDACTED]
Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:27 PM
To: Farhat, Jody S NWD02
Subject: Re: Public meeting in Niobrara (UNCLASSIFIED)

I've got unless you really want to send someone. Not necessary though.

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWO
Sent: Thu May 26 10:07:54 2011
Subject: RE: Public meeting in Niobrara (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Very good. I'm going to Bismarck with the CG otherwise I would try to be there. Do you want someone from my office to attend or do you guys have it?

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 11:56 AM
To: Farhat, Jody S NWD02
Subject: Public meeting in Niobrara

Jody:

Fyi. Dave and I will be holding a public mtg tomorrow night in niobrara.

[REDACTED]
Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 12:17 PM
To: Farhat, Jody S NWD02; Johnston, Paul T NWO
Cc: [REDACTED] NWO; [REDACTED] NWO
Subject: FW: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Jody:

Were we planning a press release that would be specifically tailored for Oahe today?

See below.

Monique

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:00 PM
To: Farmer, Monique L NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Monique,

That sounds like a good plan. Just forward the draft to me when it's ready... and I'll check with the EOC and PIO reps.

Thanks,

[REDACTED]

-----Original Message-----

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 9:36 AM
To: [REDACTED] NWO
Cc: [REDACTED] NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

[REDACTED]

Once we get a draft ready, I need you to handle all of the coordination with the EOC and PIO folks there in Pierre, if possible. Once everyone feels confident that our messages are accurate, clear and consistent, we will distribute from here.

Please let me know if this will be an issue and we will develop a work-around.

Thanks for keeping me informed.

Monique

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:28 AM
To: Farmer, Monique L NWO
Cc: [REDACTED] NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Monique,

Not sure if you heard the information from the call... but obviously a lot going down now in Pierre. The state is planning a press conference with local officials at city hall at 10am. USACE has been requested to attend... Eric Stasch will be there and I will meet him there to provide any support.

Also... Eric has some information he'd like put into a press release later today... I'll get that to you when I receive it. Kristi Turman (Director of South Dakota Emergency Management Division) would like us to provide copies of all press releases to them (their PIO is Terry Woster, 605-280-5648), FEMA (Phil Wernisch, contact info below), and the mayors of Pierre (Laurie Gill) and Fort Pierre (Sam Tidball). They would appreciate seeing those prior to dissemination in order to clarify community responses and maintain a consistent message.

Following this morning... daily press conferences will be held at 10am here at the EOC.

Will provide an update following the press conference as well as forward the South Dakota Governor's speaking points when it's finalized.

V/R

[REDACTED]

-----Original Message-----

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 7:50 AM
To: [REDACTED] NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thanks [REDACTED]

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:22 AM
To: Farmer, Monique L NWO
Subject: RE: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Monique,

I'm at the EOC now and have internet access.

Also... the state EOC wants all agencies (Fed, state, etc.) to look over each press release prior to dissemination to ensure that everyone's on the same page. I'll forward all information as I get it.

[REDACTED] is here for FEMA External Affairs. Here's his contact info:

[REDACTED]; Phone: [REDACTED]

Thanks,

[REDACTED]

-----Original Message-----

From: Farmer, Monique L NWO

Sent: Wednesday, May 25, 2011 6:52 PM

To: DLL-CENWO-PAO; [REDACTED] NWO; [REDACTED] NWO

Cc: Oldham, Margaret NWO; [REDACTED] NWO; Farhat, Jody S NWD02

Subject: PAO Flood Fight Support (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Team:

In an effort to provide organized, comprehensive Public Affairs Support to the CMT, PAO and the EOC have come up with the following task list. Some of these roles may shift and change throughout the duration of this flood fight. Please call me with any questions you may have regarding your current, tentative role.

Maggie Oldham - Attend and report on PA matters at daily CMT Brief/listen in on CODEL calls
Monique Farmer (Acting Chief through 5/27/11)

Monique Farmer - Develop, edit and distribute news releases as needed. Update/develop daily talking points for the CMT and provide to Jennifer Salak by NLT 4 p.m. daily. Answer media and public queries. Monitor Flood Fight and district main Web page for accuracy and timely updates.

Kevin Wingert - Distribute daily news clips (including flood fight news coverage) to the district. Answer phone calls to track down information for reporters/public. Assist with updating/develop daily talking points for the CMT and providing TPs to Jennifer Salak by NLT 4 p.m. daily to be included in the Emergency Management Storyboard, which will be distributed to the CMT and CAT every morning by 9:30 a.m. Available for travel to the field to support public meetings, take photographs and gather video as necessary beginning May 31.

Kevin Quinn - Attend daily CMT Brief/listen in on CODEL calls as alternate. Develop, edit and distribute news releases as needed. Answer media and public queries. Prepare written remarks.

[REDACTED] - Develop daily storyboard for CMT and CAT members to include daily reservoir elevation changes, talking points, and other information to be shared with the CMT each morning by NLT 9:30 a.m. (see Monique for details). Adapt internal CMT brief for external Web use and provide to ACE-IT's Marlene Hite for daily posting to the external Web. Adapt daily Congressional sitrep for external distribution to Congressional delegation. Provide to Kayla Eckert Uptmor for distribution.

[REDACTED] - Provide PA Support to field as needed. Report back daily to PA with media and public queries and other pertinent information such as upcoming meetings or concerns from the field to provide situational awareness/assist with talking point and Q&A development. Provide support as needed to Jennifer Salak when back in the district.

Paul Johnston - (embedded in NWD) Answering media and public queries. Developing daily Riverwatch updates for each of the 6 main stem reservoirs. Providing draft versions of Riverwatch Daily to SMEs and PAO for editing/review before sending to Eileen Williamson for posting to Social Media.

Eileen Williamson - (embedded in EOC) writing daily sitreps, posting to facebook and twitter and responding to online public/media queries from Social media

[REDACTED] - (ACE-IT) Update district and division Web pages with most current news release information within 30 minutes of news release distribution. Monique will work with Dave Husted (ACE-IT support here from Rock Island District) to get Marlene setup for division news release Web page access.

All - electronically log pertinent public and media calls at the following link by no later than 4 p.m. CT so that a daily report can be pulled and the information can be reporting at the upcoming day's CMT brief.

<https://kme.usace.army.mil/NWD/NWO/PA/Lists/Media%20Queries/NewForm.aspx?RootFolder=/NWD/NWO/PA/Lists/Media%20Queries&Source=https://kme.usace.army.mil/NWD/NWO/PA/Lists/Media%2520Queries/AllItems.aspx>

If you click the link and don't have access, there is a place to request it. Request it and we will grant it fairly quickly.

PA Evening/Weekend Schedule (will be updated weekly FYSA)

Wednesday evening afterhours - Monique Farmer (402.779.1460) Thursday evening afterhours - Kevin Quinn (402.779.1450) Friday evening afterhours - Monique Farmer (402.779.1460) Saturday, Maggie will be in office and on call all evening - Maggie Oldham (402.650.8154) Sunday 8 a.m. to 5 p.m. - Monique Farmer (402.779.1460) Sunday afterhours - Maggie Oldham (402.650-8154)

V r,

Monique

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: mrric [notify@weboffice.com] on behalf of [REDACTED] [REDACTED@usace.army.mil]
Sent: Thursday, May 26, 2011 12:04 PM
To: susan.france@nebraska.gov; bevricks@cableone.net; rhonda.knudsen@bia.gov; Blair, Amy E NWK; jeannespaar@yahoo.com; jskold@tnc.org; macf@fidnet.com; [REDACTED] NWK; Musgrave, Jeanne W; [REDACTED] NWO; jbg6267@aol.com; methridge@usgs.gov; [REDACTED] NWD; jstuds@matrixcgi.com; [REDACTED] NWK; palmer@ecr.gov; [REDACTED] NWK; julias@poncatribes-ne.org; afraidofhawk@hotmail.com; [REDACTED] NWO; [REDACTED] NWD; wendy.pearson@noaa.gov; nakotakona@netscape.net; borgmandon@johndeere.com; philwendzillo@hotmail.com; [REDACTED] NWO; Tracy_Hill@fws.gov; basil_hethjr@yahoo.com; weebap@hotmail.com; CRWeber@pbsj.com; EBHines@pbsj.com; hbender@louisberger.com; mbean@resolv.org; Wayne_Nelsonstastny@fws.gov; [REDACTED] NWD; stas@wapa.gov; 2horses@nemont.net; b_walters40@yahoo.com; [REDACTED] NWO; dpogge@kc.rr.com; [REDACTED] ERDC-CRREL-NH; [REDACTED] NWD; [REDACTED] NWD; rji@midrivers.com; [REDACTED] NWO; lmcDonald@louisberger.com; sdalbey@mt.gov; [REDACTED] NWK; [REDACTED] NWD02; [REDACTED] NWK; kevin@bigsoo.com; [REDACTED] NWO; mpalmer@umd.edu; radcliff@ecr.gov; pdemorgan@resolv.org; lleake@usgs.gov; mwdoyle@email.unc.edu; ckchapman@matrixcgi.com; cguy@montana.edu; dhumphreys@wjpallaw.com; williamsons7765@att.net; [REDACTED] NWK; David.Barfield@kda.ks.gov; waterforworldpeace@gmail.com; mikejmac11@gmail.com; Coder, Justin S USCG; dfritz@gp.usbr.gov; jgershowitz@resolv.org; cothern.joe@epa.gov; fsstbfc@mchsi.com; CGosnell@mhanation.com; berkley.jim@epa.gov; kennethwreeder@sbcglobal.net; joel_christensen@mudnebr.com; [REDACTED] NWK; kevin.moody@dot.gov; Henry_Maddux@fws.gov; blbarell@nppd.com; gia_Wagner@nps.gov; apfarmer@comcast.net; [REDACTED] NWO; wilson@usgs.gov; hector_santiago@nps.gov; wayne.stone@bia.gov; chairmanjosephbringsplenty@yahoo.com; gbingham@resolv.org; loranda@cct.rockyboy.org; meconsumers@qwest.net; [REDACTED] NWO; wlay@socket.net; steven_mietz@nps.gov; bredlin@iwla.org; [REDACTED] NWO; mrolsen@usbr.gov; twhipple@iamotelephone.com; ddmurphy@biodiversity.unr.edu; [REDACTED] NWO; bbeacom@pionet.net; tkuenzel@yhti.net; Robert.Turner@orise.orau.gov; [REDACTED] NWK; theresa_hanley@blm.gov; jbecic@pacionrd.org; ysttero@yahoo.com; marmstrong@waterone.org; Williams, George; [REDACTED] NWK; iowafarmboy@gmail.com; [REDACTED] NWO; marian.maas@cox.net; tsando@state.nd.us; skipmeisner@cableone.net; [REDACTED] NWK; juanitabarboa@msn.com; rkaldenberg@asmaffiliates.com; [REDACTED] NWD; edward.parisian@bia.gov; Chris.Jones@noaa.gov; john.drew@dnr.mo.gov; mmattelin@sheridanwb.com; lewis@ecr.gov; jonbry@bis.midco.net; JGilbert@simpco.org; mrcdc@missouririvercouncil.info; rotstot@usbr.gov; [REDACTED] NWO; jmblack84@yahoo.com; Barnes, Verlon; brian.yanchik@dot.gov; sltwr-dir@spiritalakenation.com; [REDACTED] NWO; meslifer@usgs.gov; [REDACTED] NWO; rtrudell@santeedakota.org; [REDACTED] NWK; [REDACTED] NWD02; [REDACTED] NWO; Brian.Herndon@orise.orau.gov; Fernandez@udall.gov; jim.redmond@briarcliff.edu; [REDACTED] NWK; [REDACTED] NWK; snyder@winnebago-tribe.com; tfleck@attitudedr.com; John.Lott@state.sd.us; steven.predmore@noaa.gov; [REDACTED] NWO; slowry@seo.wyo.gov; williamb@crownsations.net; carol_hale@fws.gov; gdavis@gp.usbr.gov; rbelcourt@cct.rockyboy.org; bethany.a.hale@noaa.gov; charles.a.mellor@uscg.mil; Craig.Derickson@ne.usda.gov; sdyke@nd.gov; DEpperly@usbr.gov; Fleeger, Timothy M NWO; tbyggman@mt.gov; stevea@wp.state.ks.us; dgalat@tnc.org; PRohde@vesselalliance.com; plepisto@iwla.org; jim.riis@state.sd.us; jpring@seo.wyo.gov; [REDACTED] NWK; dcassidy@mofb.com; [REDACTED] NWO; moriver@howardelectricwb.com; johnethorson@mac.com; Carol_Aron@fws.gov; [REDACTED] NWO; [REDACTED] MVS External Stakeholder; Warren, Catherine J NWO; mwellsjr@mhanation.com; [REDACTED] NWO; Anderson, G Witt NWD; jjshadl@nppd.com; [REDACTED] NWO; Quinn, Kevin R NWO; Blechinger, Erik T NWO; psnowball@winnebago-tribe.com; [REDACTED] NWO; steve.l.hudson@uscg.mil; [REDACTED] LRP; steve.nagle@ewgateway.org; jcpozzo@ameren.com; [REDACTED] NWD02; [REDACTED] TAN; Farhat, Jody S NWD02; eweaver@resolv.org; dan_wiley@nps.gov; gcampbell@usbr.gov; artge@midrivers.com; steve.gaul@nebraska.gov; Stephen_Guertin@fws.gov; bbenson@mhanation.com; [REDACTED] NWO;

To: dgoodson@resolv.org; jilldg@restel.net; george_Jordan@fws.gov; [REDACTED] NWK;
David.Johnson@ae2s.com; [REDACTED] NWK; yellowstoneriver@aol.com;
pcassidy@bpu.com; Patrick.J.Nadvornik@usace.army.mil; [REDACTED] NWO;
smbartell@aol.com; rharris@wapa.gov; lonny_bagley@blm.gov; smrwg@nemont.net;
donjorg@longlines.com; [REDACTED] NWK; mbollinger@ameren.com; [REDACTED]
NWO; hcassessor@ofmlive.net; Kim_Greenwood@fws.gov; [REDACTED] NWO;
mgoeden@fs.fed.us; doug.kluck@noaa.gov; dshorr@lathropgage.com; [REDACTED]
[REDACTED] NWO

Subject: MRRIC: Missouri River Dam Releases to Reach Historic Levels

Sent on behalf of Missouri River Water Management for your situational awareness:

<http://us.vocuspr.com/Publish/520028/vcsPRAsset 520028 348656 c5220867-6ce9-45c0-83c2-dfd9e54e58a1 0 USACE LOGO small.jpg>

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NEWS RELEASE

For Immediate Release: May 26, 2011

Contact: Monique Farmer 402-995-2420

monique.l.farmer @usace.army.mil

Jody Farhat 402-996-3840

jody.s.farhat@usace.army.mil

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Omaha, Neb. - Releases from the Missouri River reservoirs will reach historic levels in the coming weeks, the result of above-normal snow in the mountains and extraordinary rain over the last several weeks.

Significant flooding in cities, towns and agricultural land is expected in North and South Dakota with many areas from Sioux City, Iowa, to the Mississippi rising above flood stage.

Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second (cfs). The previous high releases were 70,000 cfs in the fall of 1997. "Public safety is our number one concern," said Brig. Gen. John McMahon, commander of the Northwestern Division of the Army Corps of Engineers. "We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.

"People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil <<http://usacearmy.pr-optout.com/Url.aspx?520028x535222x-358524>> and from local emergency management offices," he added.

Flooded areas are expected to be inundated for several months.

“Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse,” said General McMahon. “Our release plan is based on the rain we’ve already received and the forecasted snow melt. More heavy rain storms could cause major revisions.” At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.

In the last month, the upper basin has received a year’s worth of rain. “The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year,” said Jody Farhat, Chief of the Water Management Division here. “With the arrival of the 140 percent-of-normal snowpack runoff, all the reservoirs will reach their maximum levels.”

Releases Fort Peck, Mont., are expected to reach 40,000 cfs in early June and peak at 50,000 cfs in early July. The reservoir is forecast to reach within a foot of the top of the spillway gates.

Garrison releases will increase from the current 75,000 cfs to 85,000 cfs on Monday, May 30 and reach 105,000 cfs about mid-June. The peak reservoir level will likely reach the top of the spillway gates at 1853.9 feet. Many areas along the river in the Bismarck-Mandan area will be flooded with 3 to 6 feet of water.

Oahe releases will follow a pattern similar to Garrison, reaching 85,000 cfs on Saturday, May 28 and as high as 100,000 cfs by June 6 and 110,000 cfs by late in the month. The reservoir will peak within a foot of the top of the spillway gates at 1619 feet. Many areas along the river in Pierre will be flooded with 2 to 6 feet of water.

Big Bend releases will mirror those from Oahe, with its reservoir level remaining at 1420 feet.

Releases from Fort Randall will gradually increase from the current 61,000 cfs to 110,000 cfs by late-June. River stages in the reach below the dam should rise 2 to 6 feet.

Releases from Gavins Point will gradually increase from the current 63,000 to 110,000 cfs by the end of June. River stages 3-6 feet above flood stage are expected from just below Sioux City to the mouth north of St. Louis.

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<<http://us.vocuspr.com/Url.aspx?520028x535223x-892949>>

If you would rather not receive future communications from U.S. Army Corps of Engineers, Omaha District, let us know by clicking here. <<http://usacearmy.pr-optout.com/OptOut.aspx?520028x24691x316392x3x1880466x24000x6&Email=mary.s.roth%40usace.army.mil>>

U.S. Army Corps of Engineers, Omaha District, 1616 Capitol Ave., Ste. 9000, Omaha, NE 68102
United States

NWO

From: Blechinger, Erik T NWO
Sent: Thursday, May 26, 2011 12:11 PM
To: Farhat, Jody S NWD02
Subject: RE: Phone Call (UNCLASSIFIED)

Sure.

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:09 PM
To: Blechinger, Erik T NWO
Subject: RE: Phone Call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I'd still like to talk for a minute. I'll give you a call when the CMT call gets over

-----Original Message-----

From: Blechinger, Erik T NWO
Sent: Thursday, May 26, 2011 11:39 AM
To: Farhat, Jody S NWD02
Subject: RE: Phone Call (UNCLASSIFIED)

Did you still need to talk or was it just to tell me about the press conference? Good job, BTW.

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 10:30 AM
To: Blechinger, Erik T NWO
Subject: RE: Phone Call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Yes

-----Original Message-----

From: Blechinger, Erik T NWO
Sent: Thursday, May 26, 2011 10:16 AM
To: Farhat, Jody S NWD02
Subject: Phone Call

Jody;

See you are calling. I am on the phone with Witt. Will call you when I am done. Is that ok?

Erik

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:04 PM
To: Farhat, Jody S NWD02; Anderson, G Witt NWD; Blechinger, Erik T NWO
Cc: [REDACTED] NWD02
Subject: RE: Press Conference (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Will do.

Thanks,

[REDACTED]
Office: [REDACTED]
Mobile: [REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:03 PM
To: Anderson, G Witt NWD; Blechinger, Erik T NWO; [REDACTED] NWO
Cc: [REDACTED] NWD02
Subject: RE: Press Conference (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I suggest we send the attached press release to MRRIC folks asap

BUILDING STRONG®

NEWS RELEASE

For Immediate Release: May 26, 2011

Contact: Monique Farmer 402-995-2420

monique.l.farmer @usace.army.mil

Jody Farhat 402-996-3840

jody.s.farhat@usace.army.mil

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"People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil and from local emergency management offices," he added.

Flooded areas are expected to be inundated for several months.

"Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse," said General McMahon. "Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions." At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.

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<<http://usacearmy.pr-optout.com/Url.aspx?520028x333136x361972>>

From: Anderson, G Witt NWD
Sent: Thursday, May 26, 2011 11:56 AM
To: Farhat, Jody S NWD02; Blechinger, Erik T NWO; [REDACTED] NWO
Cc: [REDACTED] NWD02
Subject: RE: Press Conference (UNCLASSIFIED)

Something Mary could do?

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 8:44 AM
To: Blechinger, Erik T NWO; [REDACTED] NWD02
Cc: Anderson, G Witt NWD
Subject: FW: Press Conference (UNCLASSIFIED)

FYI - we're having a press conference call in a few minutes. Dial in if your available.

From: Johnston, Paul T NWO
Sent: Thursday, May 26, 2011 9:48 AM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED]
NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO;
[REDACTED] NWO; [REDACTED] NWO; Ruch, Robert J COL NWO; [REDACTED] NWO
Subject: Press Conference (UNCLASSIFIED)

Team,

Jody has invited you to participate in a call-in press conference on releases from the main stem reservoirs. It will be conducted in the Water Management conference room beginning at 11 a.m. central time. The call in number is 1-877-336-1839, passcode 4743752. A copy of the news release will be provided to you shortly. Questions?

Paul Johnston
402-996-3851

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:03 PM
To: Anderson, G Witt NWD; Farhat, Jody S NWD02; Blechinger, Erik T NWO
Cc: [REDACTED] NWD02
Subject: RE: Press Conference (UNCLASSIFIED)

I've been posting all the news releases to the MRRIC WebEx. Let me know if you want me to send something to them.

Office: [REDACTED]
Mobile: [REDACTED]

From: Anderson, G Witt NWD
Sent: Thursday, May 26, 2011 11:56 AM
To: Farhat, Jody S NWD02; Blechinger, Erik T NWO; [REDACTED] NWO
Cc: [REDACTED] NWD02
Subject: RE: Press Conference (UNCLASSIFIED)

Jody, I know you are busy. It occurs to me that we ought to send a note to MRRIC on operations. Maybe refer them to the website to get current info?

Something Mary could do?

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 8:44 AM
To: Blechinger, Erik T NWO; [REDACTED] NWD02
Cc: Anderson, G Witt NWD
Subject: FW: Press Conference (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

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From: Johnston, Paul T NWO
Sent: Thursday, May 26, 2011 9:48 AM
To: Farhat, Jody S NWD02; Swenson, Michael A NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Ruch, Robert J COL NWO; [REDACTED] NWO
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Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 12:01 PM
To: Farhat, Jody S NWD02
Subject: FW: Dam releases to reach historic levels (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

-----Original Message-----

From: U.S. Army Corps of Engineers, Omaha District [<mailto:monique.l.farmer@usace.army.mil>]
Sent: Thursday, May 26, 2011 11:14 AM
To: Farmer, Monique L NWO
Subject: Dam releases to reach historic levels

<http://us.vocuspr.com/Publish/520028/vcsPRAsset 520028 348656 c5220867-6ce9-45c0-83c2-dfd9e54e58a1 0 USACE LOGO small.jpg>

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NEWS RELEASE

For Immediate Release: May 26, 2011

Contact: Monique Farmer 402-995-2420

monique.l.farmer@usace.army.mil

Jody Farhat 402-996-3840

jody.s.farhat@usace.army.mil

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Oahe releases will follow a pattern similar to Garrison, reaching 85,000 cfs on Saturday, May 28 and as high as 100,000 cfs by June 6 and 110,000 cfs by late in the month. The reservoir will peak within a foot of the top of the spillway gates at 1619 feet. Many areas along the river in Pierre will be flooded with 2 to 6 feet of water.

Big Bend releases will mirror those from Oahe, with its reservoir level remaining at 1420 feet.

Releases from Fort Randall will gradually increase from the current 61,000 cfs to 110,000 cfs by late-June. River stages in the reach below the dam should rise 2 to 6 feet.

Releases from Gavins Point will gradually increase from the current 63,000 to 110,000 cfs by the end of June. River stages 3-6 feet above flood stage are expected from just below Sioux City to the mouth north of St. Louis.

###

U.S. ARMY CORPS OF ENGINEERS - OMAHA DISTRICT

1616 Capitol Ave., Ste. 9000

<http://www.nwo.usace.army.mil/> <<http://usacearmy.pr-optout.com/Url.aspx?520028x333138x545484>>

Find us on Facebook at [facebook.com/OmahaUSACE](https://www.facebook.com/OmahaUSACE) <<http://usacearmy.pr-optout.com/Url.aspx?520028x333137x27146>> and on Twitter at twitter.com/OmahaUSACE <<http://usacearmy.pr-optout.com/Url.aspx?520028x333136x361972>>

<<http://us.vocuspr.com/Url.aspx?520028x333145x761158>> Like us on Facebook

<<http://www.facebook.com/OmahaUSACE>> Follow OmahaUSACE <<http://www.twitter.com/OmahaUSACE>>

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

Subject: Forecasting and Project Release Coordination Between NWS and USACE (UNCLASSIFIED)
Location: Teleconference / Webmeeting

Start: Fri 5/27/2011 2:00 PM
End: Fri 5/27/2011 3:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: [REDACTED] NWD02

Required Attendees: 'cr.krf@noaa.gov'; steven Predmore; Tom Gurss; kevin low; 'Noreen Schwein';
'david.pearson@noaa.gov'; 'allen.schlag@noaa.gov'; 'patrick.ayd@noaa.gov';
'amy.parkin@noaa.gov'; michael.gillispie@noaa.gov; Farhat, Jody S NWD02; [REDACTED]
[REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02;
NWO; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO

Classification: UNCLASSIFIED

Caveats: NONE

Date/Time: Friday, May 27th, 2:00 pm - 3:00 pm,
teleconference/webmeeting info below.

AUDIO CONFERENCE ACCESS INFORMATION:

* USA Toll-Free: [REDACTED]
* HOST CODE:
* PARTICIPANT CODE: [REDACTED]

WEB MEETING ACCESS INFORMATION:

* Web Meeting Address: <https://www.webmeeting.att.com>
* Meeting Number(s): [REDACTED]
* HOST CODE:
* PARTICIPANT CODE: [REDACTED]

NWS Partners,

As we progress through this runoff season with record releases being made from our mainstem projects, it is imperative that our two agencies communicate, coordinate and collaborate effectively to ensure that we are all "singing off the same sheet of music"

when we communicate with our various stakeholders regarding inflow, release and pool elevation forecasts as well as downstream impacts.

Please plan to participate in this teleconference and webmeeting so that we can 1) understand how each office is sharing their decision results with each other and as well as other federal/state/local agencies and with the public and 2) share how we can maintain/improve this process over the next several weeks, and perhaps beyond.

Some key links:

<http://www.nwd-mr.usace.army.mil/rcc/reports/twout.html> - latest daily release schedule for mainstem projects

<http://www.nwd.usace.army.mil/pa/news/home.asp> - NWD press releases (not posted yet, but text below)

<http://www.nwo.usace.army.mil/html/pa/pahm/newsreleases2011.htm> - Omaha District press releases (not posted yet, but text below)

<http://www.nwo.usace.army.mil/html/op-e/flood.html> - flood inundation mapping

NEWS RELEASE

For Immediate Release: May 26, 2011

Contact: Monique Farmer 402-995-2420

monique.l.farmer@usace.army.mil

Jody Farhat 402-996-3840

HYPERLINK "<mailto:jody.s.farhat@usace.army.mil>"
jody.s.farhat@usace.army.mil

Dam releases to reach historic levels

Omaha, Neb. - Releases from the Missouri River reservoirs will reach historic levels in the coming weeks, the result of above-normal snow in the mountains and extraordinary rain over the last several weeks. Significant flooding in cities, towns and agricultural land is expected in North and South Dakota with many areas from Sioux City, Iowa, to the Mississippi rising above flood stage.

Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second (cfs). The previous high releases were 70,000 cfs in the fall of 1997. "Public safety is our number one concern," said Brig. Gen. John McMahon, commander of the Northwestern Division of the Army Corps of Engineers. "We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.

"People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at [HYPERLINK](#)

"<http://www.nwo.usace.army.mil>" www.nwo.usace.army.mil
<<http://USACEARMY.pr-optout.com/Url.aspx?520028x533190x-192866>>
and from local emergency management offices," he added.

Flooded areas are expected to be inundated for several months.

"Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse," said General McMahon. "Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions." At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.

In the last month, the upper basin has received a year's worth of rain. "The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our

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###

Classification: UNCLASSIFIED

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 11:56 AM
To: Farhat, Jody S NWD02
Subject: Public meeting in Niobrara

Jody:

Fyi. Dave and I will be holding a public mtg tomorrow night in niobrara.

[REDACTED]

[REDACTED] NWO

From: Farmer, Monique L NWO
Sent: Thursday, May 26, 2011 11:53 AM
To: Farhat, Jody S NWD02
Subject: FW: Voice Message from Unknown ([REDACTED]) (UNCLASSIFIED)
Attachments: VoiceMessage

Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Please call Allen Burke too. He was unable to get into the call.

-----Original Message-----

From: Unity Messaging System - NWOUNITY1
Sent: Thursday, May 26, 2011 11:50 AM
To: Farmer, Monique L NWO
Subject: Voice Message from Unknown ([REDACTED])

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Blechinger, Erik T NWO
Sent: Thursday, May 26, 2011 11:39 AM
To: Farhat, Jody S NWD02
Subject: RE: Phone Call (UNCLASSIFIED)

Did you still need to talk or was it just to tell me about the press conference? Good job, BTW.

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 10:30 AM
To: Blechinger, Erik T NWO
Subject: RE: Phone Call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Yes

-----Original Message-----

From: Blechinger, Erik T NWO
Sent: Thursday, May 26, 2011 10:16 AM
To: Farhat, Jody S NWD02
Subject: Phone Call

Jody;

See you are calling. I am on the phone with Witt. Will call you when I am done. Is that ok?

Erik

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 3:51 PM
To: [REDACTED] NWO
Cc: Farhat, Jody S NWD02; [REDACTED] NWO
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]
I spoke with Jody and [REDACTED] earlier today and was told we have no action the Congressional were doing the invitations, has something changed?.....Joel

[REDACTED]
Tribal Liaison
USACE Omaha District
1616 Capitol Ave, Suite 9000
Omaha, NE 68102-4901
Voicemail ([REDACTED])
Fax ([REDACTED])
[REDACTED]@usace.army.mil

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 10:03 AM
To: [REDACTED] NWO; [REDACTED] NWK; Blair, Amy E NWK
Cc: [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: FW: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

[REDACTED] - I need a list of POC's and email address for all our tribes so that they can be invited to our Congressional/State calls. Please provide as soon as possible.

[REDACTED]/Amy - can you share the MO Congressional, State and Tribal POC's so that we can invite them to our Congressional/State/Tribal call? We had our first one 24 May and with the rapidly changing conditions on the river we had one this morning and the next scheduled one is 28 May at 0800 hrs. Dave who do you want invited from NWK? I cc'd you the other day but you may have missed it.

Thanks,
[REDACTED]

-----Original Message-----

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 9:45 AM
To: [REDACTED] NWO; [REDACTED] NWO
Cc: Jordano, James J LTC NWO
Subject: FW: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Ned to make sure All States downstream are invited in and tribes as well. [REDACTED] is important too.

-----Original Message-----

From: McMahon, John R BG NWD

Sent: Thursday, May 26, 2011 9:40 AM

To: Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; Tipton, Robert A Col NWD; [REDACTED] NWD

Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Please keep [REDACTED] in the loop as we release stuff on MRB flooding and Joplin response etc. Thanks!

Vr/John McMahon

----- Original Message -----

From: [REDACTED] HQ02

To: McMahon, John R BG NWD; [REDACTED] HQ02; [REDACTED] HQ02

Sent: Thu May 26 07:25:13 2011

Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Sir, as the Districts send out info to staffers, etc, could you pls have them copy me (so far so good by the way) as I will keep our committee staff in the loop. Thx, Sir. Jen

----- Original Message -----

From: McMahon, John R BG NWD

To: [REDACTED] HQ02; Grisoli, William T MG HQ02; Temple, Bo M MG HQ02;

[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

Sent: Thu May 26 09:16:32 2011

Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Roger, [REDACTED] Thanks.

COL Ruch, Jody Farhat, and the team in Omaha just concluded the first call with State leaders and officials--went well, in a word. We committed to getting inundation maps out today based on our new release plan which shows anticipated flooding if nothing is done to mitigate for the higher releases--and noted that we will work closely with local and state officials on the ground to develop plans and take measures to minimize impacts to property. COL Ruch kicked it off with emphasizing that public safety and avoidance of any loss of life was our top priority--was well-received and understood. Press release follows as does the hard work on the ground to avoid, minimize, and mitigate damages, AND to evacuate as indicated--the current release plan begins at 85Kcfs this weekend, and then holds that until at least early (4/5) June of later giving people some time to plan, evacuate, pack up their belongings, sandbag their property or whatever--to be developed locally. MTF.

Vr/John

----- Original Message -----

From: [REDACTED] HQ02

To: McMahon, John R BG NWD; Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED],

[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

Sent: Thu May 26 05:53:54 2011

Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

John, thanks, one question. What are the expected consequences, ie affect on people?
Flooding to crops or proptery, any possible evacuations etc?. Should be part of the message.
V/r karen

BUILDING STRONG!

[REDACTED]
Director, Contingency Operations and Homeland Security HQ USACE
([REDACTED] , BB cell ([REDACTED])
[REDACTED]@usace.army.mil

-----Original Message-----

From: McMahon, John R BG NWD
Sent: Thursday, May 26, 2011 8:44 AM
To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED]
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G
Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED]
[REDACTED] NWD
Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Sir:
CLOSE HOLD for the next hour--these are the talking points we plan to follow as derived from
our analysis last night--have already touched based with key leaders from ND and SD and will
hold a call for them at 0800 CST, followed by a news release immediately following, and then
a Media call-in event at 1100 CST to do Q&A etc. We are telling folks that we recommend any
mitigation efforts to be designed for 120Kcfs releases given the continuing uncertainties and
anticipated variabilities involved based on a risk-based best engineering judgement. More to
follow.
Vr/John

----- Original Message -----

From: Farhat, Jody S NWD02
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M
NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED]
NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED]
[REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD;
[REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED]
[REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; Blechinger, Erik T NWO
Sent: Wed May 25 22:21:19 2011
Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 12:34 PM
To: Tipton, Robert A Col NWD
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

In the interim, could you send Missouri river basin map that shows the mainstem projects and the 2 KC projects that f BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
[REDACTED]

----- Original Message -----

From: Tipton, Robert A Col NWD
To: [REDACTED] HQ02
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Sent: Thu May 26 11:18:37 2011
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Thanks Maam,

The team will get the MVD product and begin work on what the Chief wants. We just finished inundation charts for the 120K cfs flows at Bismarck and Pierre.

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 9:14 AM
To: Temple, Bo M MG HQ02; McMahon, John R BG NWD; Tipton, Robert A Col NWD
Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

SIR,
NWD is working a product, their engineering folks needs some time to get it right, ie analyses and potential consequences.. BLUF this will be a marathon; long slow releases that will adjust over the next 10 days or more.
More to follow when NWD team has a draft ready.
V/r [REDACTED]

BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
[REDACTED]

----- Original Message -----

From: Temple, Bo M MG HQ02

To: [REDACTED] HQ02

Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02

Sent: Thu May 26 08:22:25 2011

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

If possible, would be good to have a flows chart, like the one we have/use for the MR&T that show current/as of today flows (at each of the six dams/reservoirs), anticipated peak flows with anticipated dates. If inundation can be shown at peak, that'd be good as well. This way we'd all have one common picture (as of ...). Thoughts? Thanks!

----- Original Message -----

From: McMahon, John R BG NWD

To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

Sent: Thu May 26 07:43:59 2011

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Sir:

CLOSE HOLD for the next hour--these are the talking points we plan to follow as derived from our analysis last night--have already touched based with key leaders from ND and SD and will hold a call for them at 0800 CST, followed by a news release immediately following, and then a Media call-in event at 1100 CST to do Q&A etc. We are telling folks that we recommend any mitigation efforts to be designed for 120Kcfs releases given the continuing uncertainties and anticipated variabilities involved based on a risk-based best engineering judgement. More to follow.

Vr/John

----- Original Message -----

From: Farhat, Jody S NWD02

To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO;

[REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;

[REDACTED] NWK; Blechinger, Erik T NWO

Sent: Wed May 25 22:21:19 2011

Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 11:27 AM
To: [REDACTED] NWO; Farhat, Jody S NWD02; Bertino, John J Jr NWO; [REDACTED]
NWO; Johnston, Paul T NWO
Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Note - MG Temple Requirements.

V/R,

COL Bob Ruch

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Tipton, Robert A Col NWD
To: [REDACTED] HQ02
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Sent: Thu May 26 09:18:37 2011
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COL, EN
Deputy Commander
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U.S. Army Corps of Engineers

503-808-3701

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To: Temple, Bo M MG HQ02; McMahon, John R BG NWD; Tipton, Robert A Col NWD
Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

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More to follow when NWD team has a draft ready.
V/r [REDACTED]

BUILDING STRONG!

Karen Durham-Aguilera, P.E., SES
USACE

Director, Contingency Op and Homeland Security
(202) 374-7245 cell

----- Original Message -----

From: Temple, Bo M MG HQ02

To: [REDACTED] HQ02

Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02

Sent: Thu May 26 08:22:25 2011

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

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----- Original Message -----

From: McMahon, John R BG NWD

To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; [REDACTED] Mann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

Sent: Thu May 26 07:43:59 2011

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Sir:
CLOSE HOLD for the next hour--these are the talking points we plan to follow as derived from our analysis last night--have already touched based with key leaders from ND and SD and will hold a call for them at 0800 CST, followed by a news release immediately following, and then a Media call-in event at 1100 CST to do Q&A etc. We are telling folks that we recommend any mitigation efforts to be designed for 120Kcfs releases given the continuing uncertainties and anticipated variabilities involved based on a risk-based best engineering judgement. More to follow.

Vr/John

----- Original Message -----

From: Farhat, Jody S NWD02

To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; Bartel, [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO

Sent: Wed May 25 22:21:19 2011

Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Tipton, Robert A Col NWD
Sent: Thursday, May 26, 2011 11:25 AM
To: Farhat, Jody S NWD02; Ruch, Robert J COL NWO
Cc: [REDACTED] NWD; McMahon, John R BG NWD; [REDACTED] NWD; Johnston, Paul T NWO; Anderson, G Witt NWD
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Bob/Jody,

HQ started a real push to immediately build a product as outlined by MG Temple below. I asked KDA to help infuse a little patience in order for us to finalize our engineering and our messaging and so she sent out the note below - but we are on the hook to prepare a product that will help keep all in synch and to provide the Acting Chief the information he needs.

[REDACTED] is getting with MVD to get their product and then we will need to work with NWO and WM to prepare a product....more to follow.

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: Tipton, Robert A Col NWD
Sent: Thursday, May 26, 2011 9:19 AM
To: [REDACTED] HQ02
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Thanks Maam,

The team will get the MVD product and begin work on what the Chief wants. We just finished inundation charts for the 120K cfs flows at Bismarck and Pierre.

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 9:14 AM
To: Temple, Bo M MG HQ02; McMahon, John R BG NWD; Tipton, Robert A Col NWD

Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02

Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

SIR,
NWD is working a product, their engineering folks needs some time to get it right, ie
analyses and potential consequences.. BLUF this will be a marathon; long slow releases that
will adjust over the next 10 days or more.
More to follow when NWD team has a draft ready.
V/r karen

BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
([REDACTED] cell

----- Original Message -----

From: Temple, Bo M MG HQ02

To: [REDACTED] HQ02

Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02

Sent: Thu May 26 08:22:25 2011

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

If possible, would be good to have a flows chart, like the one we have/use for the MR&T that
show current/as of today flows (at each of the six dams/reservoirs), anticipated peak flows
with anticipated dates. If inundation can be shown at peak, that'd be good as well. This
way we'd all have one common picture (as of ...). Thoughts? Thanks!

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From: McMahon, John R BG NWD

To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED]
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G
Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED]
[REDACTED] NWD

Sent: Thu May 26 07:43:59 2011

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
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Vr/John

----- Original Message -----

From: Farhat, Jody S NWD02

To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M
NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED]
NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED],

[REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD;
[REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02;
[REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; Blechinger, Erik T NWO

Sent: Wed May 25 22:21:19 2011

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(UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press
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Jody

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 11:21 AM
To: Tipton, Robert A Col NWD
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Thx all. Best, [REDACTED]

BUILDING STRONG!

[REDACTED]
USACE
Director, Contingency Op and Homeland Security
[REDACTED] cell

----- Original Message -----

From: Tipton, Robert A Col NWD
To: [REDACTED] HQ02
Cc: [REDACTED] NWD; Farhat, Jody S NWD02; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Sent: Thu May 26 11:18:37 2011
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Thanks Maam,

The team will get the MVD product and begin work on what the Chief wants. We just finished inundation charts for the 120K cfs flows at Bismarck and Pierre.

Robert A. Tipton, P.E.
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503-808-3701

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From: [REDACTED] HQ02
Sent: Thursday, May 26, 2011 9:14 AM
To: Temple, Bo M MG HQ02; McMahon, John R BG NWD; Tipton, Robert A Col NWD
Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

SIR,
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USACE

Director, Contingency Op and Homeland Security
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From: Temple, Bo M MG HQ02

To: [REDACTED] HQ02

Cc: Smith, Thomas P COL HQ02; Grisoli, William T MG HQ02

Sent: Thu May 26 08:22:25 2011

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From: McMahon, John R BG NWD

To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

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Sent: Wed May 25 22:21:19 2011

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(UNCLASSIFIED)

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USACE
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From: McMahon, John R BG NWD

To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

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Vr/John

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From: Farhat, Jody S NWD02

To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; Hoffman, Scott NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO

Sent: Wed May 25 22:21:19 2011

Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

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VR,
Jody

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 10:58 AM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: FW: Conference call May 26 at 1330 CDT (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody, [REDACTED],

This is the RIAC conference call. Joan Stemler usually attends and covers Water Management. However with the MO RIV being of great interest now, it may be helpful to have your or your staff call in to cover and MO RIV questions.

Call includes navigation industry, Coast Guard and Corps focused on Mississippi River. Tom More is the RIAC (River Industry Action Committee) chairman.

Lester Cruse will also be setting up another MRAC (Missouri River Action Committee) call for Friday 27May11 at 3:00pm. An e-mail will be sent with call info.

John

From: Lester Cruse [<mailto:Lester.Cruse@ergon.com>]
Sent: Thursday, May 26, 2011 10:34 AM
To: [REDACTED] NWD
Subject: Conference call tomorrow May 26 at 1330 CDT

This call is in regards to Lock 25 and the flow coming off the Missouri River along with any other issue that need discussed.

CALL IN # 1 [REDACTED]

PASS CODE: [REDACTED]

Tom More

Port Captain

270 564 6096 - cell

270 744 4313 - direct dial

tmore@marquettetrans.com

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 10:46 AM
To: Eckert Uptmor, Kayla A NWO; 'Alan Burnt (NE Governor's Office)'; 'alan.feyerherm@mail.house.gov'; 'Andera Travnicek (ND Governors Office)'; 'Ann Thomas Johnston (NE Terry)'; 'Anne Thimsen (SD Noem)'; 'Ansley Mick (NE Smith)'; 'Ben Ready (SD Thune)'; 'Brad Schweer (Terry)'; 'Brian Clifford (WY Barrasso)'; 'Brian Dunnigan (NE Governor's Office)'; 'brianne_dugan@baucus.senate.gov'; 'Chris Tomassi (WY Enzi)'; 'Dan English (SD Thune)'; 'Darrell_Podany@Johanns.senate.gov'; 'David Spryncznatyk (ND Governor's Office)'; 'dayle_williamson@bennelson.senate.gov'; 'Dean.Mathisen@mail.house.gov'; 'deb.vanmatre@mail.house.gov'; 'Edwin Elfmann (IA King)'; 'Eric Bierwagen (MT Rehberg)'; 'erick_lutt@bennelson.senate.gov'; 'Erik Nelson (SD Johnson)'; 'Janelle DiLuccia (SD Johnson)'; 'Jason Glodt (SD Governor's Office)'; 'Judith Roberts (ND Berg)'; 'kate_howard@bennelson.senate.gov'; 'Kevin Caulfield (ND Berg)'; 'Kristi Wallin (WY Barrasso)'; 'Lindsey Christmas (ND Berg) (lindsey.christman@mail.house.gov)'; 'Louis.pofahl@mail.house.gov'; 'Mark Matulka (NE Governor's Office)'; 'marty_boeckel@conrad.senate.gov'; 'Mary.Hollatz@mail.house.gov'; 'nancy_johner@johanns.senate.gov'; 'nathan_vanderPlatts@harkin.senate.gov'; 'Patrick Lehman (Johanns)'; 'patrick_leahy@bennelson.senate.gov'; 'pete.Obermueller@mail.house.gov'; 'Phil_Erdman@johanns.senate.gov'; 'Renee Latterell (SD Noem)'; 'Robin Bailey (WY Enzi)'; 'Ron Rauschenberger (ND Governors Office)'; 'ryan.mcconnaughey@mail.house.gov'; 'Schwietert, David (Thune)'; 'shane_goettle@hoeven.senate.gov'; 'Sharon Boysen (SD Johnson)'; 'Sheena Wilson (MT Governor's Office)'; 'sherry_kuntz@grassley.senate.gov'; 'Shuhai Zheng (NE)'; 'Spencer Gray (MT Baucus)'; 'Susan France (NE)'; 'Ted Stopulos'; 'Thomas "Tucker" Fagan (WY Lummis)'; 'Todd Sando (ND State Water Commission)'; 'Tom Nelson (ND Berg)'; 'Tracee Sutton (ND Conrad)'; 'WY Governor's Office'; 'Zachary Nelson (Zach_Nelson@bennelson.senate.gov)'; Anton, Amy J.; Wilz, Greg M.; Kristi.Turman@state.sd.us; Tina.Titze@state.sd.us
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Johnston, Paul T NWO
Subject: RE: NEW TIME: Flood Fight Call at 0800 hrs CST, 26 May 2011 (UNCLASSIFIED)
Attachments: Bismarck_BaseMap_120kcfs_05252011_Reduced.pdf; DRAFT_Pierre_May25_2011_11x17.pdf

Classification: UNCLASSIFIED
Caveats: FOUO

All,

Please find the Bismarck/Mandan, ND and Pierre/Ft. Pierre, SD inundation mapping. Also included are the Google Earth files for both.

Please let me know if you have any further questions.

Thanks,
[REDACTED]

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[REDACTED]@usace.army.mil

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:16 AM
To: Alan Burnt (NE Governor's Office); alan.feyerherm@mail.house.gov; Andera Travnicek (ND Governors Office); Ann Thomas Johnston (NE Terry); Anne Thimsen (SD Noem); Ansley Mick (NE Smith); Ben Ready (SD Thune); Brad Schweer (Terry); Brian Clifford (WY Barrasso); Brian Dunnigan (NE Governor's Office); brianne.dugan@baucus.senate.gov; Chris Tomassi (WY Enzi); Dan English (SD Thune); Darrell.Podany@Johanns.senate.gov; David Spryncznatyk (ND Governor's Office); dayle.williamson@bennelson.senate.gov; Dean.Mathisen@mail.house.gov; deb.vanmatre@mail.house.gov; Edwin Elfmann (IA King); Eric Bierwagen (MT Rehberg); erick.lutt@bennelson.senate.gov; Erik Nelson (SD Johnson); Janelle DiLuccia (SD Johnson); Jason Glodt (SD Governor's Office); Judith Roberts (ND Berg); kate.howard@bennelson.senate.gov; Kevin Caulfield (ND Berg); Kristi Wallin (WY Barrasso); Lindsey Christmas (ND Berg) (lindsey.christman@mail.house.gov); Louis.pofahl@mail.house.gov; Mark Matulka (NE Governor's Office); marty.boeckel@conrad.senate.gov; Mary.Hollatz@mail.house.gov; nancy.johner@johanns.senate.gov; nathan.vanderPlatts@harkin.senate.gov; Patrick Lehman (Johanns); patrick.leahy@bennelson.senate.gov; pete.Obermueller@mail.house.gov; Phil.Erdman@johanns.senate.gov; Renee Latterell (SD Noem); Robin Bailey (WY Enzi); Ron Rauschenberger (ND Governors Office); ryan.mcconnaughey@mail.house.gov; Schwietert, David (Thune); shane.goettle@hoeven.senate.gov; Sharon Boysen (SD Johnson); Sheena Wilson (MT Governor's Office); sherry.kuntz@grassley.senate.gov; Shuhai Zheng (NE); Spencer Gray (MT Baucus); Susan France (NE); Ted Stopulos; Thomas "Tucker" Fagan (WY Lummis); Todd Sando (ND State Water Commission); Tom Nelson (ND Berg); Tracee Sutton (ND Conrad); WY Governor's Office; Zachary Nelson (Zach.Nelson@bennelson.senate.gov)
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: NEW TIME: Flood Fight Call at 0800 hrs CST, 26 May 2011

Good evening.

As Omaha District Commander COL Robert Ruch committed during the joint call on Tuesday, 24 May 2011, as the best available information is received by the District and we have the opportunity to assess the impacts, we will inform you as quickly as possible. As the conditions have evolved, the Thursday, 26 May 2011 call is being moved from 1600 hrs CST to 0800 hrs CST. Please join us in the morning at the following call in number. Please share in your offices as you deem necessary.

Please send a reply to this email me if you attend as roll call will not be solicited on the phone so as to be efficient with everyone's time. Additionally, a reminder to identify yourselves prior to asking questions for the benefit of the group.

WHAT: Flood Fight Update Call with Congressional and State staff
WHEN: 26 May 2011 at 0800 hrs CST

USA Toll-Free: [REDACTED]
ACCESS CODE: [REDACTED]

Regards,

[REDACTED]
Chief of Planning
Congressional Liaison
US Army Corps of Engineers

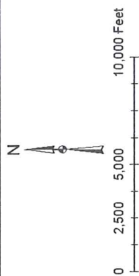
Omaha District
1616 Capitol Avenue
Omaha, NE 68102-4901
402.995.2693 (o)
402.659.4441 (c)

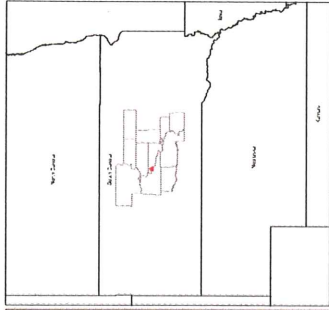
Classification: UNCLASSIFIED
Caveats: FOUO



Bismarck / Mandan, ND
MAY 25, 2011
Inundation based on a Release of 120,000 cfs
Disclaimer: Potential Area of Inundation, which is subject to change
Provisional

Legend
● 1960 River Miles
■ Inundation @ 120,000 cfs





Critical Infrastructure and Key Resources

- Airport
- Electric_Generating_Unit
- Electric_SubStations
- Emergency_Center
- FireStations
- Hospital
- PoliceStations
- Schools

Inundation Elements

- 1980 Missouri River Miles
- Inundation @ 125,000 cfs
- Inundation based on a release of 125,000 cfs



1 inch = 1,500 feet

Scale: 1" = 1,500 feet. Area of inundation is based on a release of 125,000 cfs.

Pierre / Fort Pierre, SD
May 25, 2011
Pierre

0 2,500 4,500 9,000 Feet

From: Engemann, Daniel [Dan.Engemann@mail.house.gov]
Sent: Thursday, May 26, 2011 10:42 AM
To: Farhat, Jody S NWD02
Cc: Blair, Amy E NWK; Brown, Chris
Subject: Conference Calls

Jody,

Thanks for your help in arranging the call yesterday between the Congressman and Gen. McMahon. The General mentioned daily calls that were going on, and asked if we were being notified, which I don't believe we are. We'd like to be included in these if possible, so we can try to stay ahead of this situation, and keep our constituents informed. Please advise.

Thanks,

Dan Engemann

Deputy District Director

Congressman Blaine Luetkemeyer (MO-09)

516 Jefferson Street

Washington, Missouri 63090

Phone: 636-239-2276

Fax: 636-239-0478

Mobile: 573-208-0507

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Thursday, May 26, 2011 10:38 AM
To: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Cc: [REDACTED] NWO; [REDACTED] NWK; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; Farhat, Jody S
Subject: RE: MRRP Senior PDT Meeting (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
Water management won't be attending any meetings not related to current Missouri River Water management activities until further notice, per Jody's direction.
Thanks
[REDACTED]

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 10:24 AM
To: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO
Cc: [REDACTED] NWO; [REDACTED] NWK; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: RE: MRRP Senior PDT Meeting (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thank you Stacie for providing the information.

[REDACTED] - Please confirm your attendance with Stacie and I by COB Friday, 27 May.

[REDACTED] - Please confirm your attendance with Stacie and I by COB Friday, 27 May.

On Tuesday, 31 May, we should have a headcount and be in a position to finalize the transportation.

[REDACTED]
Missouri River Recovery Program
Omaha District, Civil Works Branch
Desk: [REDACTED]
Cell: [REDACTED]
Fax: [REDACTED]
Email: [REDACTED]@usace.army.mil

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:44 AM

To: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO;
[REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO;
[REDACTED] NWO; [REDACTED] NWO
Cc: [REDACTED] NWO; [REDACTED] NWK
Subject: RE: MRRP Senior PDT Meeting (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Teresa,

To date, I have heard from or about the following Omaha folks regarding the June 1st meeting:

[REDACTED] (yes- via your email)

[REDACTED] (yes)

[REDACTED] (yes)

[REDACTED] (yes)

[REDACTED] (yes)

[REDACTED] (yes)

[REDACTED] (tentative)

[REDACTED] (declined)

[REDACTED] (no response received)

Casey and I can each drive a vehicle from Yankton. That would allow us to pick up all six folks from Omaha who have already responded that they plan to attend. If Matt and Chuck are on flood fight and cannot attend, that would mean room for Randy, if he can make it, and Doug if he plans to attend.

Just let me know.

Thanks ~ [REDACTED]

-----Original Message-----

From: [REDACTED] NWO

Sent: Thursday, May 26, 2011 8:20 AM

To: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO;

[REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO;

[REDACTED] NWO; [REDACTED] NWO

Cc: [REDACTED] NWO; [REDACTED] NWK; [REDACTED] NWO

Subject: RE: MRRP Senior PDT Meeting (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Omaha District Team members,

I need your assistance in organizing the logistics for next week's meeting. Recognize that we are in the midst of a flood fight with key team members already deployed (Krajewski and McWilliams) and no GSA vehicles available, I have three options for transportation next week outlined below, all of which requires identification of participants.

Based on attendance, drive POV (my car seats four comfortable) Based on attendance, rent a vehicle from Enterprise (pick up and drop off at Federal Building) Based on attendance, car pool with Yankton attendees

Stacie - would you advise me of the participants based on responses you have received? Thus, we can work out the best plan.

Note: I have a 6 pm appointment in Omaha that day.

[REDACTED]
Missouri River Recovery Program
Omaha District, Civil Works Branch
Desk: [REDACTED]
Cell: [REDACTED]
Fax: [REDACTED]
Email: [REDACTED]@usace.army.mil

-----Original Appointment-----

From: [REDACTED] NWO
Sent: Wednesday, May 18, 2011 2:07 PM
To: [REDACTED] NWK; Blair, Amy E NWK; [REDACTED] NWO; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02;
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO;
[REDACTED] NWK; [REDACTED] NWO; [REDACTED] NWK; [REDACTED]
NWO
Cc: [REDACTED] NWO
Subject: MRRP Senior PDT Meeting (UNCLASSIFIED)
When: Wednesday, June 01, 2011 10:00 AM-4:00 PM (GMT-06:00) Central Time (US & Canada).
Where: Mound City, MO - Squaw Creek National Wildlife Refuge

Classification: UNCLASSIFIED
Caveats: NONE

Good Afternoon,

The next meeting of the Senior PDT will be held at the Squaw Creek National Wildlife Refuge near Mound City, MO on Wednesday, June 1, 2011 from 1000 - 1600. A draft agenda will be developed and sent out at a later date.

I am still working on the appropriate distribution list for this group, so if you see someone missing from the list who should have been invited, please let me know.

Thank you ~ Stacie

[REDACTED]
US Army Corps of Engineers
Office Automation Tech
MRRP - ISP
T&E Section
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 10:25 AM
To: Farhat, Jody S NWD02
Subject: RE: Snow Water Equivalents in Montana River Basins (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody:

Ok, I understand what you are saying. You may mention that in your briefing. Your numbers are percent of peak accumulation.

John

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 9:11 AM
To: [REDACTED] NWO; Schenk, Kathryn M NWO
Subject: RE: Snow Water Equivalents in Montana River Basins (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

John - the numbers on this website compare the current snow with the normal for this date, so when the melt is delayed even if we don't get any additional snow those numbers go way up because the "normal" is declining. The number my office quotes are the current snowpack compared to the normal PEAK accumulation rather than the normal for that date

Jody

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 10:07 AM
To: Schenk, Kathryn M NWO; Farhat, Jody S NWD02
Subject: Snow Water Equivalents in Montana River Basins (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

<http://www.wcc.nrcs.usda.gov/cgibin/snowup-graph.pl?state=MT>

Katie and Jody:

I do not see anything above Fort Peck less than 160 percent for Snow Water Equivalents. Am I missing something?

[REDACTED]

U.S. Army Corps of Engineers

Operations Project Manager

Fort Peck Project

Fort Peck, Montana 59223

PH: [REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

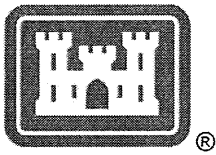
Classification: UNCLASSIFIED
Caveats: NONE

From: Quinn, Kevin R NWO
Sent: Thursday, May 26, 2011 10:18 AM
To: Farhat, Jody S NWD02; Johnston, Paul T NWO
Cc: Farmer, Monique L NWO
Subject: URGENT-please -revise news release immediately so we can release quickly
(UNCLASSIFIED)
Attachments: NRFlood nnews release 5-26-11.docx

Classification: UNCLASSIFIED
Caveats: NONE

PAUL AND JODY: Attached is the news release formatted and ready to go. Jody indicated she wanted Remus to verify--I don't know if he's done that yet, but once it's good to go, email back to Monique and she will release it on VOCUS. kq

Classification: UNCLASSIFIED
Caveats: NONE



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U.S. ARMY CORPS OF ENGINEERS

NEWS RELEASE

For Immediate Release: June 30, 2011

Contact: Kevin R. Quinn 402-995-2419

kevin.r.quinn@usace.army.mil

Jody Farhat 402-996-3840

jody.s.farhat@usace.army.mil

Dam releases to reach historic levels

Omaha, Neb. – Releases from the Missouri River reservoirs will reach historic levels in the coming weeks, the result of above-normal snow in the mountains and extraordinary rain over the last several weeks. Significant flooding in cities, towns and agricultural land is expected in North and South Dakota with many areas from Sioux City, Iowa, to the Mississippi rising above flood stage.

Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second (cfs). The previous high releases were 70,000 cfs in the fall of 1997. “Public safety is our number one concern,” said Brig. Gen. John McMahon, commander of the Northwestern Division of the Army Corps of Engineers. “We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.

“People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas are available at www.nwo.usace.army.mil and from local emergency management offices,” he added.

Flooded areas are expected to be inundated for several months.

“Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse,” said General McMahon. “Our release plan is based on the rain we’ve already received and the forecasted snow melt. More heavy rain storms could cause major revisions.” At these levels, additional releases do not significantly change the foot print of the flooding, only the depth

In the last month, the upper basin has received a year’s worth of rain. “The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year,” said Jody Farhat, Chief of the Water Management Division here. “With the arrival of the 140 percent-of-normal snowpack runoff, all the reservoirs will reach their maximum levels.”

Releases at Fort Peck, Mont., are expected to reach 40,000 cfs in early June and peak at 50,000 cfs in early July. The reservoir is forecast to reach within a foot of the top of the spillway gates. Garrison releases will increase from the current 75,000 cfs to 85,000 cfs on Monday May 30 and reach 105,000 cfs about mid-June. The peak reservoir level will likely reach the top of the spillway gates at 1853.9 feet. Many areas along the river in the Bismarck-Mandan area will be flooded with 3 to 6 feet of water.

Oahe releases will follow a pattern similar to Garrison, reaching 85,000 cfs on Saturday May 28 and as high as 100,000 cfs by June 6 and 110,000 cfs by late in the month. The reservoir will likely peak within

U.S. Army Corps of Engineers – Omaha District 1616 Capitol Ave., Omaha, Neb. 68102

<http://www.nwo.usace.army.mil/>

Find us on Facebook at [facebook.com/OmahaUSACE](https://www.facebook.com/OmahaUSACE) and on Twitter at twitter.com/OmahaUSACE

[Type text]

a foot of the top of the spillway gates at 1619 feet. Many areas along the river in Pierre and Fort Pierre will be flooded with 3 to 6 feet of water.

Big Bend releases will mirror those from Oahe, with its reservoir level remaining at 1420 feet. Releases from Fort Randall will gradually increase from the current 61,000 cfs to 110,000 cfs by late-June. River stages in the reach below the dam should rise 4 – 6 feet. Releases from Gavins Point will gradually increase from the current 63,000 to 110,000 cfs by the end of June. River stages 3-6 feet above flood stage are expected from just below Sioux City to the mouth north of St. Louis.

###

[REDACTED] NWO

From: Todd_Frerichs@fws.gov
Sent: Thursday, May 26, 2011 10:10 AM
To: [REDACTED] NWO
Cc: [REDACTED] NWO; [REDACTED] NWO; DKrogstad@usbr.gov; Aycock, Gordon L; Farhat, Jody S NWD02; [REDACTED] NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWD02; lloyd_jones@fws.gov; mmarohl@usbr.gov; Erger, Patrick J; [REDACTED] NWO; [REDACTED] NWO; terry_ellsworth@fws.gov; [REDACTED] NWO
Subject: Re: Lake Audubon

Terry,

All island rip-rap, dikes, roads and other infrastructure on Audubon National Wildlife Refuge (Refuge) were built for a 1847 to 1848 lake level. There would be significant impacts to Refuge dikes, sections of road, and all islands at 1850. Those impacts would increase significantly if the lake was raised to the 1854 level. The headquarters office/visitors center and maintenance buildings are at 1865 or above, so they would not be negatively impacted. All that being said, if it is determined that additional storage in Lake Audubon would aid in dealing with the current flooding issue, we don't wish to imply that we oppose raising the lake level. However, we hope that there would be non-Fish and Wildlife Service funding available to repair the damage caused by the increased lake elevation. Unfortunately at this time, I can't provide more detail regarding the cost of expected impacts.

Approximately the southern 1/2 of Lake Audubon is Refuge. I'm sure someone is looking at the impacts to the northern 1/2, but just as a reminder, there are many cabins/homes on that portion of the lake and I'm sure there would be significant impacts to them as well if the lake level is raised.

Unfortunately, I need to be out of the office today and will be leaving in a few minutes, but I can be reached by cell phone. I likely can participate in a conference call if someone could call me with the details. My cell number is 701-460-0576. The Audubon NWR Project Leader (Lloyd Jones) is also out of the office today helping with the flooding efforts in Bismarck, but he can be reached by cell as well (701-460-0528).

Thanks,

Todd Frerichs
Deputy Project Leader
Audubon NWR/WMD Complex
3275 11th St, NW
Coleharbor, ND 58531
701-442-5474 ext. 112 - phone
701-442-5546 - fax

Inactive hide details for "[REDACTED] NWO"
<[REDACTED]@usace.army.mil> "[REDACTED] NWO" <[REDACTED]@usace.army.mil>

"[REDACTED] NWO" <[REDACTED]@usace.army.mil>

05/26/2011 09:03 AM

To

<terry_ellsworth@fws.gov>, <mmarohl@usbr.gov>, <todd_frerichs@fws.gov>

cc

<lloyd_jones@fws.gov>, <DKrogstad@usbr.gov>, "Aycock, Gordon L" <GAycock@usbr.gov>, "Erger, Patrick J" <PErger@usbr.gov>, "[REDACTED] NWO" <[REDACTED]@usace.army.mil>, "[REDACTED] NWD02" <[REDACTED]@usace.army.mil>, "Farhat, Jody S NWD02" <Jody.S.Farhat@usace.army.mil>, "[REDACTED] NWO" <[REDACTED]@usace.army.mil>, "[REDACTED] NWO" <[REDACTED]@usace.army.mil>, "[REDACTED] NWO" <[REDACTED]@usace.army.mil>, "[REDACTED] NWO" <[REDACTED]@usace.army.mil>, "Bertino, John J Jr NWO" <John.J.Bertino@usace.army.mil>, "[REDACTED] NWD02" <[REDACTED]@usace.army.mil>, "[REDACTED] NWO" <[REDACTED]@usace.army.mil>, "[REDACTED] NWO" <[REDACTED]@usace.army.mil>

Subject

Lake Audubon

As discussed on the phone this morning, Garrison Reservoir is currently at a level of 1851.1 and is forecasted to reach a pool level of approximately 1854. Lake Audubon is currently at a level of approximately 1846.5. As Garrison pool level continue to rise, we are investigating the possibility of using some of the storage available in Lake Audubon. It is requested that your office provide impacts of raising Lake Audubon to levels of 1850 and 1854. We would like to have a preliminary assessment completed by close of business today.

I will set up a conference call for later today. Please let me know of preferred time for a conference call.

Thanks,

[REDACTED]
Hydraulic Engineer

Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 10:07 AM
To: Schenk, Kathryn M NWO; Farhat, Jody S NWD02
Subject: Snow Water Equivalents in Montana River Basins (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

<http://www.wcc.nrcs.usda.gov/cgibin/snowup-graph.pl?state=MT>

Katie and Jody:

I do not see anything above Fort Peck less than 160 percent for Snow Water Equivalents. Am I missing something?

[REDACTED]
U.S. Army Corps of Engineers
Operations Project Manager
Fort Peck Project
Fort Peck, Montana 59223
PH: [REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 10:03 AM
To: [REDACTED] NWO; [REDACTED] NWK; Blair, Amy E NWK
Cc: [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED]
Subject: FW: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

[REDACTED] - I need a list of POC's and email address for all our tribes so that they can be invited to our Congressional/State calls. Please provide as soon as possible.

[REDACTED]/Amy - can you share the MO Congressional, State and Tribal POC's so that we can invite them to our Congressional/State/Tribal call? We had our first one 24 May and with the rapidly changing conditions on the river we had one this morning and the next scheduled one is 28 May at 0800 hrs. Dave who do you want invited from NWK? I cc'd you the other day but you may have missed it.

Thanks,
[REDACTED]

-----Original Message-----

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 9:45 AM
To: [REDACTED] NWO; [REDACTED] NWO
Cc: Jordano, James J LTC NWO
Subject: FW: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Ned to make sure All States downstream are invited in and tribes as well. Jen Greer is important too.

-----Original Message-----

From: McMahon, John R BG NWD
Sent: Thursday, May 26, 2011 9:40 AM
To: Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; Tipton, Robert A Col NWD; [REDACTED] NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Please keep [REDACTED] in the loop as we release stuff on MRB flooding and Joplin response etc. Thanks!
Vr/John McMahon

----- Original Message -----

From: [REDACTED] HQ02
To: McMahon, John R BG NWD; [REDACTED] HQ02; [REDACTED] HQ02
Sent: Thu May 26 07:25:13 2011
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Sir, as the Districts send out info to staffers, etc, could you pls have them copy me (so far so good by the way) as I will keep our committee staff in the loop. Thx, Sir. Jen

----- Original Message -----

From: McMahon, John R BG NWD

To: [REDACTED] HQ02; Grisoli, William T MG HQ02; Temple, Bo M MG HQ02;

[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED], [REDACTED] NWD

Sent: Thu May 26 09:16:32 2011

Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Roger, [REDACTED] Thanks.

COL Ruch, Jody Farhat, and the team in Omaha just concluded the first call with State leaders and officials--went well, in a word. We committed to getting inundation maps out today based on our new release plan which shows anticipated flooding if nothing is done to mitigate for the higher releases--and noted that we will work closely with local and state officials on the ground to develop plans and take measures to minimize impacts to property. COL Ruch kicked it off with emphasizing that public safety and avoidance of any loss of life was our top priority--was well-received and understood. Press release follows as does the hard work on the ground to avoid, minimize, and mitigate damages, AND to evacuate as indicated--the current release plan begins at 85Kcfs this weekend, and then holds that until at least early (4/5) June of later giving people some time to plan, evacuate, pack up their belongings, sandbag their property or whatever--to be developed locally. MTF.

Vr/John

----- Original Message -----

From: [REDACTED] HQ02

To: McMahon, John R BG NWD; Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED], [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED], [REDACTED] NWD

Sent: Thu May 26 05:53:54 2011

Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

John, thanks, one question. What are the expected consequences, ie affect on people? Flooding to crops or proptery, any possible evacuations etc?. Should be part of the message.

V/r [REDACTED]

BUILDING STRONG!

[REDACTED]
Director, Contingency Operations and Homeland Security HQ USACE

([REDACTED]), BB cell ([REDACTED])

[REDACTED]@usace.army.mil

-----Original Message-----

From: McMahon, John R BG NWD

Sent: Thursday, May 26, 2011 8:44 AM

To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Sir:
CLOSE HOLD for the next hour--these are the talking points we plan to follow as derived from our analysis last night--have already touched based with key leaders from ND and SD and will hold a call for them at 0800 CST, followed by a news release immediately following, and then a Media call-in event at 1100 CST to do Q&A etc. We are telling folks that we recommend any mitigation efforts to be designed for 120Kcfs releases given the continuing uncertainties and anticipated variabilities involved based on a risk-based best engineering judgement. More to follow.

Vr/John

----- Original Message -----

From: Farhat, Jody S NWD02

To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO

Sent: Wed May 25 22:21:19 2011

Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 10:02 AM
To: [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO
Subject: RE: SD EOC Requests - High Priority (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Eric

I have been in touch with Mike Swenson. I reviewed the settlement agreement between CCST, LBST and the Corps. In the agreement it states;

Normal operations: EL1419-EL1421.5 msl

Below EL1419 or above EL 1421.5: RCC to use best effort to notify the tribes.

Below EL1418 or above EL1422: The Division Commander or his designee shall immediately contact the Chairpersons of the Tribes; notify, explain and discuss actions to eliminate the situation.

I will touch base with Crow Creek and Lower Brule Tribes today and inform them about the need to move water thru the system. I will inform them that Lake Sharpe's elevation will be dropped to ~EL1419 during this period. If there is a change we will inform them.

I sent the Big Bend list of stakeholders to POA yesterday. The list includes the contact numbers and email addresses for CCST & LBST Tribal and BIA offices.

[REDACTED]

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:55 AM
To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: RE: SD EOC Requests - High Priority (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Getting [REDACTED] involved for the lowering question. Keith what impacts do you know on Sharpe if elevation is say maintained between 18.5 and 19.0???

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 7:42 AM
To: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: RE: SD EOC Requests - High Priority (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Do we know that it doesn't impact communities on the reservoir?

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:41 AM
To: [REDACTED] NWO; [REDACTED] NWO; Farhat, Jody S NWD02
Subject: RE: SD EOC Requests - High Priority (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All:

At the flows we are talking about, the causeway is submerged, and the effect on WSE is minimal and local. In order for a breach to have any impact at all, the breach would have to be very large (approaching removal). I don't know if the PR value is worth it here. As we increase releases the causeway may breach itself.

At the discharges that we are planning, the benefits of lowering Lake Sharpe do not reach the Pierre/Ft Pierre area, and we should tell them that. However, if this makes people feel good, and does not impact the communities on the reservoir or downstream operations, I don't see any harm.

John

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:22 AM
To: [REDACTED] NWO; [REDACTED] NWO; Farhat, Jody S NWD02
Subject: SD EOC Requests - High Priority (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Word has been passed from the SD EOC on two items that I need input on:

1. City of Ft. Pierre has requested that the LaFramboise Causeway be breached. They see this as a retention structure that is increasing the water elevation on the Ft. Pierre side of the river.

(Note: This was mentioned in a conversation that I had with Brad Lawrence on Monday. I had the difference survey Tuesday at about 1400hrs during the 64,000cfs flows. There was a 2.2ft difference in water surfaces across the causeway.)

2. The level of Lake Sharpe is requested to be lowered to a maximum of 1419.0. Even if this does not have a major effect on the water surface in Pierre/Ft. Pierre, public perception will be GREATLY POSITIVELY influenced if we do this. I believe that it is just coordination between the Col. and the Crow Creek and Lower Brule Sioux Tribes to operate below 1419.0.

My recommendation is that we DO this as soon as we can. With where we are going, anything that could help or even be perceived as helping needs to be accomplished.

Know people are really busy, but answers to these are requested soonest.

Thanks

Eric

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Thursday, May 26, 2011 9:52 AM
To: [REDACTED] NWO
Cc: [REDACTED] NWO; Farhat, Jody S NWD02
Subject: RE: Call from a concerned citizen (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Larry,
I called her back.
Mike

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:06 AM
To: [REDACTED] NWD02
Cc: [REDACTED] NWO; Farhat, Jody S NWD02
Subject: Call from a concerned citizen (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

You are probably getting a lot of calls like this, but I received a call from a lady named Maggie wondering if she should evacuate her elderly father from his home, which is west of Niobrara. She did not give an exact location, but did mention during the conversation that her father had told her that others around him were moving out. I told her I would leave a message with someone here that would better know the situation, but told her if others were moving out it might be a good indication that he should be evacuated also.

Was wondering if you know the situation around Niobrara and/or could give Maggie a call back? Her number is 402-730-6776. If not let me know and I can call and close the loop.

Thanks,

[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: McMahon, John R BG NWD
Sent: Thursday, May 26, 2011 9:40 AM
To: Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02;
[REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; Tipton, Robert A Col NWD;
[REDACTED] NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Please keep Jenn Greer in the loop as we release stuff on MRB flooding and Joplin response etc. Thanks!

Vr/John McMahon

----- Original Message -----

From: [REDACTED] HQ02
To: McMahon, John R BG NWD; [REDACTED] HQ02; [REDACTED] HQ02
Sent: Thu May 26 07:25:13 2011
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Sir, as the Districts send out info to staffers, etc, could you pls have them copy me (so far so good by the way) as I will keep our committee staff in the loop. Thx, Sir. Jen

----- Original Message -----

From: McMahon, John R BG NWD
To: [REDACTED] HQ02; Grisoli, William T MG HQ02; Temple, Bo M MG HQ02;
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD
Sent: Thu May 26 09:16:32 2011
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call
(UNCLASSIFIED)

Roger, [REDACTED] Thanks.

COL Ruch, Jody Farhat, and the team in Omaha just concluded the first call with State leaders and officials--went well, in a word. We committed to getting inundation maps out today based on our new release plan which shows anticipated flooding if nothing is done to mitigate for the higher releases--and noted that we will work closely with local and state officials on the ground to develop plans and take measures to minimize impacts to property. COL Ruch kicked it off with emphasizing that public safety and avoidance of any loss of life was our top priority--was well-received and understood. Press release follows as does the hard work on the ground to avoid, minimize, and mitigate damages, AND to evacuate as indicated--the current release plan begins at 85Kcfs this weekend, and then holds that until at least early (4/5) June of later giving people some time to plan, evacuate, pack up their belongings, sandbag their property or whatever--to be developed locally. MTF.

Vr/John

----- Original Message -----

From: [REDACTED] HQ02
To: McMahon, John R BG NWD; Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

Sent: Thu May 26 05:53:54 2011

Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

John, thanks, one question. What are the expected consequences, ie affect on people? Flooding to crops or proptery, any possible evacuations etc?. Should be part of the message.
V/r karen

BUILDING STRONG!

[REDACTED]
Director, Contingency Operations and Homeland Security HQ USACE
[REDACTED], BB cell [REDACTED]
[REDACTED]@usace.army.mil

-----Original Message-----

From: McMahon, John R BG NWD

Sent: Thursday, May 26, 2011 8:44 AM

To: Grisoli, William T MG HQ02; Temple, Bo M MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Anderson, G Witt NWD; [REDACTED] NWD; Johnson, Paul TAS-KNQ Contractor; [REDACTED] NWD; [REDACTED] NWD

Subject: Fw: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Sir:
CLOSE HOLD for the next hour--these are the talking points we plan to follow as derived from our analysis last night--have already touched based with key leaders from ND and SD and will hold a call for them at 0800 CST, followed by a news release immediately following, and then a Media call-in event at 1100 CST to do Q&A etc. We are telling folks that we recommend any mitigation efforts to be designed for 120Kcfs releases given the continuing uncertainties and anticipated variabilities involved based on a risk-based best engineering judgement. More to follow.

Vr/John

----- Original Message -----

From: Farhat, Jody S NWD02

To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Perry, Clare E NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO

Sent: Wed May 25 22:21:19 2011

Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Quinn, Kevin R NWO
Sent: Thursday, May 26, 2011 9:35 AM
To: Farhat, Jody S NWD02
Subject: FW: Missouri River (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

fyi

-----Original Message-----

From: Scot Mundt [<mailto:smundt@keloland.com>]
Sent: Thursday, May 26, 2011 9:14 AM
To: Quinn, Kevin R NWO
Subject: Missouri River

Kevin,

My name is Scot Mundt, I'm a meteorologist with KELO-TV in Sioux Falls and I have a couple of questions regarding the Missouri River.

More or less, I just want to confirm a couple of things. I believe the Missouri "starts" from the Madison and Jefferson Rivers in southwest Montana. I can see from NOHRSC Interactive Snow Information website that the snow in parts of southwest Montana is still holding 15 or more inches of water. My main question is as the snow continues to melt; will this water eventually drain into the Missouri? I can only assume that some of it will.

Thanks for your time,

Scot Mundt

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: Schenk, Kathryn M NWO
Sent: Thursday, May 26, 2011 9:15 AM
To: Farhat, Jody S NWD02
Subject: Re: Paul is good to go to Bismarck (UNCLASSIFIED)

Thank you.

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: Jordano, James J LTC NWO
Cc: Schenk, Kathryn M NWO; [REDACTED] NWO; Bertino, John J Jr NWO
Sent: Thu May 26 07:11:35 2011
Subject: Paul is good to go to Bismarck (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody Farhat, P.E.
Chief, Missouri River Basin Water Management

jody.s.farhat@usace.army.mil
Office: 402-996-3840
Cell: 402-350-1417
Home: [REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 9:08 AM
To: [REDACTED] NWO; Farhat, Jody S NWD02; Johnston, Paul T NWO
Subject: Fw: Talking Points - Flood Fight & Severe Storms (1500 EDT 25 May) (UNCLASSIFIED)
Attachments: 2011 flooding talking points - as of 1500hrs 25May2011.docx; 2011 Severe Storm Talking Points - as of 1500 hrs 25May2011.docx

V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] HQ02
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO
Cc: [REDACTED] NWD; Anderson, G Witt NWD
Sent: Thu May 26 06:48:23 2011
Subject: FW: Talking Points - Flood Fight & Severe Storms (1500 EDT 25 May) (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

You may be able to adapt some of these message to the Missouri flooding.

[REDACTED]
[REDACTED]
Director Civil Works, USACE
(W) ([REDACTED])
(Cell) ([REDACTED])
[REDACTED]@us.army.mil

-----Original Message-----

From: [REDACTED] HQ02 On Behalf Of CE-UOC HQ02
Sent: Thursday, May 26, 2011 6:13 AM
Subject: Talking Points - Flood Fight & Severe Storms (1500 EDT 25 May) (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

ALCON,

Here are the current Flooding and Severe Storms Talking Points. (updates in ALL CAPS)

Talking Points - May 2011 Flood Fighting Effort (as of 1500 hrs, 25 May 2011)

CURRENT FLOOD FIGHT

- Protecting lives is our number one priority, which is what this flood fight is all about - people's lives. Without the proper operation of the Mississippi River and Tributaries (MR&T) system, more lives and property will be at risk.

- We never want to see Americans suffer such a tragic event. We are doing everything we can to protect people and their property, which means making difficult choices and decisions. Corps personnel remain vigilant to continue saving lives.
- On May 14, at the direction of the President of the Mississippi River Commission, the New Orleans District opened the Morganza Floodway, last opened in 1973, to relieve pressure on the Mississippi River and Tributaries (MR&T) system. The operation will include the deliberate and slow opening of the structure, and inundation will spread slowly throughout the next several days.
- CURRENTLY, THE MORGANZA FLOODWAY, LOCATED 310 RIVER MILES ABOVE NEW ORLEANS, HAS REDUCED THE NUMBER OF BAYS OPEN FROM 17 TO 16 WITH A FLOW OF 163,000 CFS.
- The Mississippi River at Baton Rouge through New Orleans crested sooner than some upstream locations due to the opening of the Morganza Floodway. River crests are projected to be 2.5' lower with the opening of the floodway.
- The operation of the floodway will reduce the extent and impact of flood stages in both urban and industrial areas on the lower Mississippi. The floodway will remain open until the river flow drops to 1.5 million cfs and is projected to continue decreasing.
- USACE Real Estate personnel have sent annual letters to people living in the Morganza floodway area detailing to them the risks associated with living in or near the floodway.
- The decisions to open the Morganza Floodway was made using the best science and predictions available in order to ensure that the Corps does not stress the limits of the MR&T system.
- THE CORPS BEGAN OPENING THE BONNET CARRE SPILLWAY ON MAY 9, TO KEEP THE VOLUME OF MISSISSIPPI RIVER FLOWS AT NEW ORLEANS FROM EXCEEDING 1.25 MILLION CUBIC FEET PER SECOND. CURRENTLY, 330 OF THE 350 BAYS ARE OPEN WITH A FLOW OF 293,000 CFS. THE SPILLWAY IS EXPECTED TO REMAIN OPEN FOR AN ESTIMATED TWO- TO FOUR-WEEK PERIOD.
- Corps personnel remain vigilant in this flood fight, continuing to patrol the local levees in cities and towns where the crest has already passed to ensure their continued integrity, identifying potential problem areas early and dealing with them quickly.
- During the current flood of 2011, the risks of flooding have been reduced for more than 4 million people as a result of the comprehensive MR&T system, which is performing as designed.
- While approximately 133,000 acres of the designated Birds Point-New Madrid Floodway was flooded, operating the floodway resulted in more than 2.5 million acres being protected.
- By operating the MR&T system as designed, the value of this investment to our nation can be counted in what we haven't lost: lives, communities, critical industry and infrastructure, and billions of dollars.
- As USACE continues flood fighting efforts across four of its divisions, our engineers are already looking at the recovery phase of this historic flood: putting in place damage assessment teams and developing initial cost estimates for repairs or rehabilitation of this national system.
- The end of high water will not be the end of this flood's impact. USACE is looking at what it will take to restore the system for the people, communities and industries it protects for future flood events.
- Barge traffic on America's central artery for trade is severely constrained as we face record levels in the system. Restrictions have been placed on portions of the river to protect already strained levees and floodwalls from further stresses.
- When water levels recede, an impact on river commerce may remain as sediment deposited in navigation channels and ports from the flooding may affect the nation's ability to move commerce. USACE will work with industry and the U.S. Coast Guard to mitigate these impacts.
- The Great Lakes and Ohio River Division is continuing to see decreased water levels and is continuing flood fighting efforts to include monitoring flood protection measures off of the Ohio River and its tributaries.
- Memphis District has lowered the flood fight stage in the Cairo, Ill., and surrounding area for the first time in 28 days.
- The recovery phase has begun in the White River and Black River basins in southern Missouri and Arkansas. Engineers from the Little Rock District will spend the coming months

discharging flood storage waters in a controlled manner from reservoirs that helped to dramatically reduce flood damages at a number of towns in the region.

- As the flood fight continues, residents who live and work near flood-impacted levees should remain vigilant and must be prepared to follow directions from their local emergency management officials, including when they may return to homes they evacuated.
- During the Great Flood of 1927, more than 26,000 square miles or 16 million acres of land in seven states were inundated. At the high point of that flood, the river stretched from Vicksburg, Miss., to Monroe, La., a swath 80 miles wide.
- The excess snow melt occurring in the Northwest is beginning to cause flooding in Oregon, Washington, Montana and Idaho. U.S. Army Corps of Engineers are monitoring the situation closely.

GENERAL PROGRAM INFORMATION

- Public safety is the number one mission of the USACE Flood Risk Management Program.
- USACE executes an annual \$1.6 billion Flood Risk Management program of coastal and riverine projects centered on a watershed, life cycle approach of preparation, response, recovery, and mitigation.
- We recognize that managing and communicating flood risk is a shared responsibility among federal, state, local, Tribal and private partners so people can make well informed public decisions about their safety.
- Public Law 84-99, Flood Control and Coastal Emergency Act, gives the Corps specific authorities to conduct preparedness, response, recovery, and rehabilitation activities.
- USACE provides disaster support to the nation: by its inherent Civil Works authorities for reservoir and dam / lock operations, Public Law 84-99, by support to the Department of Homeland Security / Federal Emergency Management Agency, under the National Response Framework, and pursuant to the Stafford Act (Public Law 93-288).
- In coordination with Tribal governments and States, the Corps deploys flood fighting materials and supplies (sandbags, pumps, and expedient flood fight products), pre-positions flood flight supplies and equipment, and deploys flood engineers to provide technical assistance.
- In 2010, the operations of Corps Flood Damage Reduction projects prevented \$23.1 billion in flood-related damages. A 10-year average of annual damages prevented is \$25.2 billion.
- Follow us on Facebook: <http://www.facebook.com/#!/OperationWatershed2011>

Talking Points - Severe Storms May 2011 (as of 1500 hrs, 25 May 2011)

CURRENT OPERATION

- USACE HAS RECEIVED FEMA MISSIONS IN ALABAMA, MISSISSIPPI AND LOUISIANA AS A RESULT OF THE APRIL TORNADOES AND MORE RECENTLY IN MISSOURI AS A RESULT OF TORNADOS THIS PAST WEEKEND.
- USACE is working several FEMA missions in Alabama - debris missions that include supporting Urban Search and Rescue by separating debris piles, debris clearance and removal; critical public facilities; and haul and install of temporary housing units.
- Debris management includes emergency debris clearance and removal and disposal management of debris from public property.
- Critical public facility restoration involves temporary replacement of critical public facilities, such as classrooms, health clinics, fire and EMS stations, and other public service facilities, such as requested by FEMA.
- USACE HAS COMPLETED TEMPORARY CRITICAL FACILITIES FOR FIRE AND POLICE IN HACKLEBURG, ALA. CORPS PERSONNEL ARE WORKING ON FIVE ADDITIONAL TEMPORARY FIRE STATIONS IN ALABAMA.
- The temporary housing mission (haul and install) includes placing temporary housing units on private property or existing mobile home parks. To date, 26 housing units have been placed with five more expected soon.
- FEMA has tasked the Corps to separate debris by type (vegetation, white goods such as appliances and construction materials. One of the mission's goals is to perform the work in

an environmentally sensitive fashion. A national contractor has been hired and is employing local subcontractors to the maximum extent possible.

- USACE EMPLOYEES, CONTRACTORS AND LOCAL ENTITIES ARE WORKING TO CLEAN UP AN ESTIMATED 3.5 MILLION CUBIC YARDS OF DEBRIS IN ALABAMA LEFT IN THE WAKE OF THE VIOLENT TORNADOES, WITH DEBRIS REMOVAL TOTALS STANDING AT MORE THAN ONE MILLION CUBIC YARDS.
- In Alabama, currently crews are working to remove debris in 49 areas, which include 20 counties and 29 cities and towns.
- Debris Subject Matter Experts continue to provide technical assistance to counties where debris segregation is in progress and where removal is scheduled near term.
- IN MISSISSIPPI, USACE PERSONNEL ARE ACTIVELY SUPPORTING THE CLEANUP EFFORTS, HAULING AWAY MORE THAN 9,079 TONS OF DEBRIS FROM PUBLIC RIGHTS OF WAY IN THE SMITHVILLE AREA AND MORE THAN 2,500 TONS OF DEBRIS IN MONROE COUNTY.
- IN MISSOURI, CREWS ARE ON THE GROUND IN JOPLIN, MISSOURI, PREPARING FOR DEBRIS REMOVAL EFFORTS FOLLOWING THE STORMS THIS PAST WEEKEND.

OVERALL

- The U.S. Army Corps of Engineers is prepared and ready to respond to natural and man-made disasters.
- USACE is part of the federal government's unified national response to disasters and emergencies. The Corps assists the Department of Homeland Security and FEMA by coordinating and organizing public works and engineering-related support.
- USACE has more than 40 specially trained response teams ready to perform a wide range of missions, as assigned by FEMA.
- When disasters occur, it is not just a local Corps district or office that responds. Personnel and other resources are mobilized across the country to carry out our response missions.
- In any disaster, our top priorities are:
 - o Support immediate emergency response priorities;
 - o Sustain lives with critical commodities, temporary emergency power and other needs; and,
 - o Initiate recovery efforts by assessing and restoring critical infrastructure.

VR,

[REDACTED]
Operations Officer
USACE Operations Center
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Talking Points – May 2011 Flood Fighting Effort

(as of 1500 hrs, 25 May 2011)

CURRENT FLOOD FIGHT

- Protecting lives is our number one priority, which is what this flood fight is all about – people's lives. Without the proper operation of the Mississippi River and Tributaries (MR&T) system, more lives and property will be at risk.
- We never want to see Americans suffer such a tragic event. We are doing everything we can to protect people and their property, which means making difficult choices and decisions. Corps personnel remain vigilant to continue saving lives.
- On May 14, at the direction of the President of the Mississippi River Commission, the New Orleans District opened the Morganza Floodway, last opened in 1973, to relieve pressure on the Mississippi River and Tributaries (MR&T) system. The operation will include the deliberate and slow opening of the structure, and inundation will spread slowly throughout the next several days.
- Currently, the Morganza Floodway, located 310 river miles above New Orleans, has reduced the number of bays open from 17 to 16 with a flow of 163,000 cfs.
- The Mississippi River at Baton Rouge through New Orleans crested sooner than some upstream locations due to the opening of the Morganza Floodway. River crests are projected to be 2.5' lower with the opening of the floodway.
- The operation of the floodway will reduce the extent and impact of flood stages in both urban and industrial areas on the lower Mississippi. The floodway will remain open until the river flow drops to 1.5 million cfs and is projected to continue decreasing.
- USACE Real Estate personnel have sent annual letters to people living in the Morganza floodway area detailing to them the risks associated with living in or near the floodway.
- The decisions to open the Morganza Floodway was made using the best science and predictions available in order to ensure that the Corps does not stress the limits of the MR&T system.
- The Corps began opening the Bonnet Carre Spillway on May 9, to keep the volume of Mississippi River flows at New Orleans from exceeding 1.25 million cubic feet per second. Currently, 330 of the 350 bays are open with a flow of 293,000 cfs. The spillway is expected to remain open for an estimated two- to four-week period.
- Corps personnel remain vigilant in this flood fight, continuing to patrol the local levees in cities and towns where the crest has already passed to ensure their continued integrity, identifying potential problem areas early and dealing with them quickly.
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Talking Points – Severe Storms May 2011

(as of 1500 hrs, 25 May 2011)

CURRENT OPERATION

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- Debris management includes emergency debris clearance and removal and disposal management of debris from public property.
- Critical public facility restoration involves temporary replacement of critical public facilities, such as classrooms, health clinics, fire and EMS stations, and other public service facilities, such as requested by FEMA.
- USACE has completed temporary critical facilities for fire and police in Hackleburg, Ala. Corps personnel are working on five additional temporary fire stations in Alabama.
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- USACE employees, contractors and local entities are working to clean up an estimated 3.5 million cubic yards of debris in Alabama left in the wake of the violent tornadoes, with debris removal totals standing at more than one million cubic yards.
- In Alabama, currently crews are working to remove debris in 49 areas, which include 20 counties and 29 cities and towns.
- Debris Subject Matter Experts continue to provide technical assistance to counties where debris segregation is in progress and where removal is scheduled near term.
- In Mississippi, USACE personnel are actively supporting the cleanup efforts, hauling away more than 9,079 tons of debris from public rights of way in the Smithville area and more than 2,500 tons of debris in Monroe County.
- In Missouri, crews are on the ground in Joplin, Missouri, preparing for debris removal efforts following the storms this past weekend.

OVERALL

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- USACE has more than 40 specially trained response teams ready to perform a wide range of missions, as assigned by FEMA.
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- In any disaster, our top priorities are:
 - Support immediate emergency response priorities;
 - Sustain lives with critical commodities, temporary emergency power and other needs; and,
 - Initiate recovery efforts by assessing and restoring critical infrastructure.

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:06 AM
To: [REDACTED] NWD02
Cc: [REDACTED] NWO; Farhat, Jody S NWD02
Subject: Call from a concerned citizen (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

You are probably getting a lot of calls like this, but I received a call from a lady named Maggie wondering if she should evacuate her elderly father from his home, which is west of Niobrara. She did not give an exact location, but did mention during the conversation that her father had told her that others around him were moving out. I told her I would leave a message with someone here that would better know the situation, but told her if others were moving out it might be a good indication that he should be evacuated also.

Was wondering if you know the situation around Niobrara and/or could give Maggie a call back? Her number is 402-730-6776. If not let me know and I can call and close the loop.

Thanks,

[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 9:04 AM
To: terry_ellsworth@fws.gov; 'mmarohl@usbr.gov'; todd_freirichs@fws.gov
Cc: 'lloyd_jones@fws.gov'; 'DKrogstad@usbr.gov'; Aycock, Gordon L; Erger, Patrick J; [REDACTED]; [REDACTED] NWO; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Bertino, John J Jr
NWO; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: Lake Audubon

As discussed on the phone this morning, Garrison Reservoir is currently at a level of 1851.1 and is forecasted to reach a pool level of approximately 1854. Lake Audubon is currently at a level of approximately 1846.5. As Garrison pool level continue to rise, we are investigating the possibility of using some of the storage available in Lake Audubon. It is requested that your office provide impacts of raising Lake Audubon to levels of 1850 and 1854. We would like to have a preliminary assessment completed by close of business today.

I will set up a conference call for later today. Please let me know of preferred time for a conference call.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

[REDACTED] NWO

From: Anderson, G Witt NWD
Sent: Thursday, May 26, 2011 8:51 AM
To: Farhat, Jody S NWD02
Subject: FW: Talking Points - Flood Fight & Severe Storms (1500 EDT 25 May) (UNCLASSIFIED)
Attachments: 2011 flooding talking points - as of 1500hrs 25May2011.docx; 2011 Severe Storm Talking Points - as of 1500 hrs 25May2011.docx

Classification: UNCLASSIFIED

Caveats: NONE

Jody, fyi and not to burden you. Nice job on the codel call.

-----Original Message-----

From: Stockton, Steven L HQ02
Sent: Thursday, May 26, 2011 6:48 AM
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO
Cc: Hearn, James J NWD; Anderson, G Witt NWD
Subject: FW: Talking Points - Flood Fight & Severe Storms (1500 EDT 25 May) (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

You may be able to adapt some of these message to the Missouri flooding.

[REDACTED]
[REDACTED]
Director Civil Works, USACE
(W) **[REDACTED]**
(Cell) **[REDACTED]**
[REDACTED]@us.army.mil

-----Original Message-----

From: **[REDACTED]** HQ02 On Behalf Of CE-UOC HQ02
Sent: Thursday, May 26, 2011 6:13 AM
Subject: Talking Points - Flood Fight & Severe Storms (1500 EDT 25 May) (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

ALCON,

Here are the current Flooding and Severe Storms Talking Points. (updates in ALL CAPS)

Talking Points - May 2011 Flood Fighting Effort (as of 1500 hrs, 25 May 2011)

CURRENT FLOOD FIGHT

- Protecting lives is our number one priority, which is what this flood fight is all about - people's lives. Without the proper operation of the Mississippi River and Tributaries (MR&T) system, more lives and property will be at risk.

- We never want to see Americans suffer such a tragic event. We are doing everything we can to protect people and their property, which means making difficult choices and decisions. Corps personnel remain vigilant to continue saving lives.
- On May 14, at the direction of the President of the Mississippi River Commission, the New Orleans District opened the Morganza Floodway, last opened in 1973, to relieve pressure on the Mississippi River and Tributaries (MR&T) system. The operation will include the deliberate and slow opening of the structure, and inundation will spread slowly throughout the next several days.
- CURRENTLY, THE MORGANZA FLOODWAY, LOCATED 310 RIVER MILES ABOVE NEW ORLEANS, HAS REDUCED THE NUMBER OF BAYS OPEN FROM 17 TO 16 WITH A FLOW OF 163,000 CFS.
- The Mississippi River at Baton Rouge through New Orleans crested sooner than some upstream locations due to the opening of the Morganza Floodway. River crests are projected to be 2.5' lower with the opening of the floodway.
- The operation of the floodway will reduce the extent and impact of flood stages in both urban and industrial areas on the lower Mississippi. The floodway will remain open until the river flow drops to 1.5 million cfs and is projected to continue decreasing.
- USACE Real Estate personnel have sent annual letters to people living in the Morganza floodway area detailing to them the risks associated with living in or near the floodway.
- The decisions to open the Morganza Floodway was made using the best science and predictions available in order to ensure that the Corps does not stress the limits of the MR&T system.
- THE CORPS BEGAN OPENING THE BONNET CARRE SPILLWAY ON MAY 9, TO KEEP THE VOLUME OF MISSISSIPPI RIVER FLOWS AT NEW ORLEANS FROM EXCEEDING 1.25 MILLION CUBIC FEET PER SECOND. CURRENTLY, 330 OF THE 350 BAYS ARE OPEN WITH A FLOW OF 293,000 CFS. THE SPILLWAY IS EXPECTED TO REMAIN OPEN FOR AN ESTIMATED TWO- TO FOUR-WEEK PERIOD.
- Corps personnel remain vigilant in this flood fight, continuing to patrol the local levees in cities and towns where the crest has already passed to ensure their continued integrity, identifying potential problem areas early and dealing with them quickly.
- During the current flood of 2011, the risks of flooding have been reduced for more than 4 million people as a result of the comprehensive MR&T system, which is performing as designed.
- While approximately 133,000 acres of the designated Birds Point-New Madrid Floodway was flooded, operating the floodway resulted in more than 2.5 million acres being protected.
- By operating the MR&T system as designed, the value of this investment to our nation can be counted in what we haven't lost: lives, communities, critical industry and infrastructure, and billions of dollars.
- As USACE continues flood fighting efforts across four of its divisions, our engineers are already looking at the recovery phase of this historic flood: putting in place damage assessment teams and developing initial cost estimates for repairs or rehabilitation of this national system.
- The end of high water will not be the end of this flood's impact. USACE is looking at what it will take to restore the system for the people, communities and industries it protects for future flood events.
- Barge traffic on America's central artery for trade is severely constrained as we face record levels in the system. Restrictions have been placed on portions of the river to protect already strained levees and floodwalls from further stresses.
- When water levels recede, an impact on river commerce may remain as sediment deposited in navigation channels and ports from the flooding may affect the nation's ability to move commerce. USACE will work with industry and the U.S. Coast Guard to mitigate these impacts.
- The Great Lakes and Ohio River Division is continuing to see decreased water levels and is continuing flood fighting efforts to include monitoring flood protection measures off of the Ohio River and its tributaries.
- Memphis District has lowered the flood fight stage in the Cairo, Ill., and surrounding area for the first time in 28 days.
- The recovery phase has begun in the White River and Black River basins in southern Missouri and Arkansas. Engineers from the Little Rock District will spend the coming months

discharging flood storage waters in a controlled manner from reservoirs that helped to dramatically reduce flood damages at a number of towns in the region.

- As the flood fight continues, residents who live and work near flood-impacted levees should remain vigilant and must be prepared to follow directions from their local emergency management officials, including when they may return to homes they evacuated.
- During the Great Flood of 1927, more than 26,000 square miles or 16 million acres of land in seven states were inundated. At the high point of that flood, the river stretched from Vicksburg, Miss., to Monroe, La., a swath 80 miles wide.
- The excess snow melt occurring in the Northwest is beginning to cause flooding in Oregon, Washington, Montana and Idaho. U.S. Army Corps of Engineers are monitoring the situation closely.

GENERAL PROGRAM INFORMATION

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- Public Law 84-99, Flood Control and Coastal Emergency Act, gives the Corps specific authorities to conduct preparedness, response, recovery, and rehabilitation activities.
- USACE provides disaster support to the nation: by its inherent Civil Works authorities for reservoir and dam / lock operations, Public Law 84-99, by support to the Department of Homeland Security / Federal Emergency Management Agency, under the National Response Framework, and pursuant to the Stafford Act (Public Law 93-288).
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Talking Points - Severe Storms May 2011 (as of 1500 hrs, 25 May 2011)

CURRENT OPERATION

- USACE HAS RECEIVED FEMA MISSIONS IN ALABAMA, MISSISSIPPI AND LOUISIANA AS A RESULT OF THE APRIL TORNADOES AND MORE RECENTLY IN MISSOURI AS A RESULT OF TORNADOS THIS PAST WEEKEND.
- USACE is working several FEMA missions in Alabama - debris missions that include supporting Urban Search and Rescue by separating debris piles, debris clearance and removal; critical public facilities; and haul and install of temporary housing units.
- Debris management includes emergency debris clearance and removal and disposal management of debris from public property.
- Critical public facility restoration involves temporary replacement of critical public facilities, such as classrooms, health clinics, fire and EMS stations, and other public service facilities, such as requested by FEMA.
- USACE HAS COMPLETED TEMPORARY CRITICAL FACILITIES FOR FIRE AND POLICE IN HACKLEBURG, ALA. CORPS PERSONNEL ARE WORKING ON FIVE ADDITIONAL TEMPORARY FIRE STATIONS IN ALABAMA.
- The temporary housing mission (haul and install) includes placing temporary housing units on private property or existing mobile home parks. To date, 26 housing units have been placed with five more expected soon.
- FEMA has tasked the Corps to separate debris by type (vegetation, white goods such as appliances and construction materials. One of the mission's goals is to perform the work in

an environmentally sensitive fashion. A national contractor has been hired and is employing local subcontractors to the maximum extent possible.

- USACE EMPLOYEES, CONTRACTORS AND LOCAL ENTITIES ARE WORKING TO CLEAN UP AN ESTIMATED 3.5 MILLION CUBIC YARDS OF DEBRIS IN ALABAMA LEFT IN THE WAKE OF THE VIOLENT TORNADOES, WITH DEBRIS REMOVAL TOTALS STANDING AT MORE THAN ONE MILLION CUBIC YARDS.
- In Alabama, currently crews are working to remove debris in 49 areas, which include 20 counties and 29 cities and towns.
- Debris Subject Matter Experts continue to provide technical assistance to counties where debris segregation is in progress and where removal is scheduled near term.
- IN MISSISSIPPI, USACE PERSONNEL ARE ACTIVELY SUPPORTING THE CLEANUP EFFORTS, HAULING AWAY MORE THAN 9,079 TONS OF DEBRIS FROM PUBLIC RIGHTS OF WAY IN THE SMITHVILLE AREA AND MORE THAN 2,500 TONS OF DEBRIS IN MONROE COUNTY.
- IN MISSOURI, CREWS ARE ON THE GROUND IN JOPLIN, MISSOURI, PREPARING FOR DEBRIS REMOVAL EFFORTS FOLLOWING THE STORMS THIS PAST WEEKEND.

OVERALL

- The U.S. Army Corps of Engineers is prepared and ready to respond to natural and man-made disasters.
- USACE is part of the federal government's unified national response to disasters and emergencies. The Corps assists the Department of Homeland Security and FEMA by coordinating and organizing public works and engineering-related support.
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- and,
 - o Initiate recovery efforts by assessing and restoring critical infrastructure.

VR,

[REDACTED]
Operations Officer
USACE Operations Center
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
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Talking Points – May 2011 Flood Fighting Effort

(as of 1500 hrs, 25 May 2011)

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From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 8:34 AM
To: Farhat, Jody S NWD02
Cc: Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: Spillway Gate Openings (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody:

To get 25,000 cfs through the spillway we can open all sixteen gates 1.6 ft., for 30,000cfs 1.9 ft and 35,000 cfs 2.2 ft.

U.S. Army Corps of Engineers
Operations Project Manager
Fort Peck Project
Fort Peck, Montana 59223
PH: [REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Tipton, Robert A Col NWD
Sent: Thursday, May 26, 2011 8:32 AM
To: Ruch, Robert J COL NWO; Farhat, Jody S NWD02
Cc: McMahon, John R BG NWD
Subject: Conf Call

Bob/Jody,

Thought you did a good job on the call.

Thought I'd give my perception on how it was received.

I know you are all over this - but the point that the ND folks are zeroing in on probably needs to be addressed well in our press release in that letting Garrison fill up to the max level does not buy us any real benefit as I understand it (other than a little more time to prepare) vs. Adding a lot more risk in a weather pattern that continues to pose a threat that has been somewhat unpredictable.

SD appeared to be more accepting -- but I know that all lot of this is due to the fact that they have more time to prepare.

RT

Message sent via my BlackBerry Wireless Device

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 8:15 AM
To: Farhat, Jody S NWD02
Subject: Re: Top of Fort Peck Spillway Gates (UNCLASSIFIED)

Jody:

You read my mind. I was thinking for 25000, we may be able to open all sixteen a foot or so. I will check and call you in the morning.

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWO
Sent: Wed May 25 15:41:39 2011
Subject: RE: Top of Fort Peck Spillway Gates (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] - when we get back to operating the spillway, do you generally open all 16 gates the same amount, or do you make the releases out of a fewer number of gates? This matters because if all gates are operated it essentially raises that "top of gate" elevation.

Jody

-----Original Message-----

From: [REDACTED] NWO
Sent: Wednesday, May 25, 2011 2:10 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWO
Cc: Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: Top of Fort Peck Spillway Gates (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All:

I'm sure most of you know this information but I want to make sure. The top of the Spillway Gates are 2250.5 ft even though top of Exclusive is 2250.0 ft. In 1997 we went to 2250.31 and did not over top the gates. Also, in 1975 the Spillway Gates were overtopped when the reservoir elevation rose to 2251.6 ft with 35,000 cfs being released through the dam and spillway.

[REDACTED]
U.S. Army Corps of Engineers
Operations Project Manager
Fort Peck Project
Fort Peck, Montana 59223
PH: [REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: Steve Predmore [Steven.Predmore@noaa.gov]
Sent: Thursday, May 26, 2011 8:09 AM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD02; Tom Gurss; Kevin Low
Subject: Re: My Fault (UNCLASSIFIED)

Jody,

I will contact the NWS offices and notify them to contact MBRFC if they have questions about your release schedule.

Steve

On 5/26/2011 12:02 AM, Farhat, Jody S NWD02 wrote:

Classification: UNCLASSIFIED
Caveats: NONE

I also appreciate the email.

I would like to ask that ALL requests for release schedules from NWS offices are funneled through the RFC, which will obtain the official numbers from me or my staff. Rumors are flying at lightning speed and we Feds must not contribute to the problem. Please insist that forecasters not contact local project managers or the states for release schedules.

Thanks for your understanding.

Jody

-----Original Message-----

From: Steve Predmore [<mailto:Steven.Predmore@noaa.gov>]
Sent: Wednesday, May 25, 2011 11:42 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD02
Subject: My Fault

Jody and [REDACTED]

I apologize for information on your release plans going to others you did not intend it to. I gave Noreen Schwein a head's up. She thought a couple of MIC's whose weather forecast offices cover the upper Missouri River should have a heads up. One of them, Jeff Savadel, called the Garrison project manager and someone from the SEOC in ND to see if they had any information.

I talked with Jeff this evening. He's sorry about the problem he caused. He didn't realize the sensitivity of the situation. However, it's my fault for not making it clear and I'm very sorry.

Steve

Classification: UNCLASSIFIED

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 8:06 AM
To: Farhat, Jody S NWD02
Subject: RE: Reservoir Habitat Study scoping discussion (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thanks, Jody, I did reschedule it for June 10. As we get closer to that date, please just let me know if we need to look later.

[REDACTED]
-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Wednesday, May 25, 2011 5:28 PM
To: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: RE: Reservoir Habitat Study scoping discussion (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Cindy - we will not be able to participate in any non-essential non-flood related meetings for the foreseeable future. Perhaps in a couple weeks.

Jody

-----Original Appointment-----

From: [REDACTED] NWO
Sent: Wednesday, May 25, 2011 3:55 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: Reservoir Habitat Study scoping discussion (UNCLASSIFIED)
When: Friday, June 10, 2011 9:30 AM-10:00 AM (GMT-06:00) Central Time (US & Canada).
Where: Jody's office

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Jody, Doug,
I wanted to see if we could discuss the tern & plover reservoir habitat study, and water management role in the study and tasks to scope.
I know it's a busy time of year. If this does not work for Friday, mid-June looks like there is some availability too (June 10, wk of the 13th).

Thank you
[REDACTED]

Classification: UNCLASSIFIED

NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:54 AM
To: [REDACTED] NWO; Farhat, Jody S NWD02
Subject: RE: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Todd:

According to rating curve we are using the stage at Bismarck for a flow of 85,000 cfs is approximately 17.0 feet.

According to our models the WSE increases at the gage are shown below.

95000 cfs - +0.76 feet, stage at gage 17.76 100000 cfs - +1.12 feet, stage at gage 18.12
110000 cfs - +1.78 feet, stage at gage 18.78 120000 cfs - +2.41 feet, stage at gage 19.41

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:41 AM
To: Farhat, Jody S NWD02; [REDACTED] NWO
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Do we have a river stage at the Bismarck gage?

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED], [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED], [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO
Sent: Wed May 25 22:21:19 2011
Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,

Jody

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 7:41 AM
To: Farhat, Jody S NWD02; [REDACTED] NWO
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Do we have a river stage at the Bismarck gage?

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; Bartel, [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO
Sent: Wed May 25 22:21:19 2011
Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 7:37 AM
To: [REDACTED] NWD; [REDACTED] NWD
Cc: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: FW: MO RIV Closure Concern (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Reference the MO RIV Waterways Action Plan teleconference call with Corps, Coast Guard and industry 25 May 11. J Rudy did is great job providing key points in his brief notes.

John

From: [REDACTED] NWK
Sent: Thursday, May 26, 2011 6:20 AM
To: [REDACTED] NWK; [REDACTED] NWD; Schenk, Kathryn M NWO; [REDACTED] NWO
Cc: Wingert, Kevin M NWO; [REDACTED] NWK; [REDACTED] NWK
Subject: Re: MO RIV Closure Concern (UNCLASSIFIED)

[REDACTED] - call went well. NWD reviewed projected flows thru june. 60K now growing to 85K in June with info that these flows will be record release. Estimate is addition 3 - 4 feet of gauge height depending on locations. Boat report will start to include reaches and associated gauge reading of where boat wake is concern. At this point it will include areas where repairs are made and seeding is incomplete, areas where repairs are not complete and either only that have water on the repair. NWO indicated levees in their AOR that were concern last have been raise approximately 1-2 feet. Additional Calls will be held again this week.

!---!---!---!---!

Message sent via my BlackBerry Wireless Device

From: [REDACTED] NWK
To: [REDACTED] NWD; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWK
Cc: Wingert, Kevin M NWO; [REDACTED] NWK
Sent: Wed May 25 09:43:45 2011
Subject: Re: MO RIV Closure Concern (UNCLASSIFIED)

[REDACTED]

Thanks, I am at District Senior Leaders offsite at Leavenworth. J Rudy will be attending and he keeps me informed.

[REDACTED]

From: [REDACTED] NWD
To: Schenk, Kathryn M NWO; [REDACTED] NWK; [REDACTED] NWO; [REDACTED] NWK
Cc: Wingert, Kevin M NWO
Sent: Wed May 25 07:45:07 2011
Subject: MO RIV Closure Concern (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Katie, Des, Dick and J,

This is yesterdays MO RIV Waterways Action Plan (WAP) high water trigger table. Lester Cruse, Magnolia Marine port captain and MO RIV Action Committee chairman puts this out. Rulo and St. Joe gages from the weather service forecast shows Extreme High Water phase in the trigger table beginning Thursday. The Corps forecast is also included. Corps Water Management does not include rain forecast. So what happens is in that range. Anyway it is likely the Corps, Coast Guard and industry will be conducting a conference call to initiate discussions.

A WAP teleconference is pending. You will be informed when that happens.

I have also have enclosed the Jun-Jul 2010 river closure experience at St. Joseph and Rulo that shows the gage readings when closures happened. We would have to be at the gage stages at St Joseph 26.0+ and Rulo at 25.0+. We would also have to get info from the field too. We are close and it has been raining.

John

From: Lester Cruse [<mailto:Lester.Cruse@ergon.com>]
Sent: Tuesday, May 24, 2011 4:09 PM
Subject: Missouri River WAPHW trigger Table 05-24-2011

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 7:29 AM
To: [REDACTED] NWO; Farhat, Jody S NWD02
Subject: Fw: NEW TIME: Flood Fight Call at 0800 hrs CST, 26 May 2011

Invited FEMA - remember in message - public safety is our #1 concern!
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Ruch, Robert J COL NWO
To: 'dan.griffiths@dhs.gov' <dan.griffiths@dhs.gov>; 'robin.finegan@dhs.gov' <robin.finegan@dhs.gov>
Sent: Thu May 26 05:27:37 2011
Subject: Fw: NEW TIME: Flood Fight Call at 0800 hrs CST, 26 May 2011

FYSA - I know it is early but this is good information before we go public with new flows.
If you miss it the press release comes out right after the meeting.
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: Alan Burnt (NE Governor's Office) <Al.Berndt@nebraska.gov>; alan.feyerherm@mail.house.gov <alan.feyerherm@mail.house.gov>; Andera Travnicsek (ND Governors Office) <Atravnicsek@nd.gov>; Ann Thomas Johnston (NE Terry) <at.johnston@mail.house.gov>; Anne Thimsen (SD Noem) <anne.thimsen@mail.house.gov>; Ansley Mick (NE Smith) <ansley.mick@mail.house.gov>; Ben Ready (SD Thune) <Benjamin_Ready@thune.senate.gov>; Brad Schweer (Terry) <brad.schweer@mail.house.gov>; Brian Clifford (WY Barrasso) <brian_clifford@barrasso.senate.gov>; Brian Dunnigan (NE Governor's Office) <Brian.Dunnigan@nebraska.gov>; brianne_dugan@baucus.senate.gov <brianne_dugan@baucus.senate.gov>; Chris Tomassi (WY Enzi) <chris_tomassi@enzi.senate.gov>; Dan English (SD Thune) <dan_english@thune.senate.gov>; Darrell_Podany@Johanns.senate.gov <Darrell_Podany@Johanns.senate.gov>; David Spryncznatyk (ND Governor's Office) <david.spryncznatyk@us.army.mil>; dayle_williamson@bennelson.senate.gov <dayle_williamson@bennelson.senate.gov>; Dean.Mathisen@mail.house.gov <Dean.Mathisen@mail.house.gov>; deb.vanmatre@mail.house.gov <deb.vanmatre@mail.house.gov>; Edwin Elfmann (IA King) <edwin.elfmann@mail.house.gov>; Eric Bierwagen (MT Rehberg) <Eric.Bierwagen@mail.house.gov>; erick_lutt@bennelson.senate.gov <erick_lutt@bennelson.senate.gov>; Erik Nelson (SD Johnson) <Erik_Nelson@johnson.senate.gov>; Janelle DiLuccia (SD Johnson) <Janelle_DiLuccia@johnson.senate.gov>; Jason Glodt (SD Governor's Office) <Jason.Glodt@state.sd.us>; Judith Roberts (ND Berg) <Judith.Roberts@mail.house.gov>; kate_howard@bennelson.senate.gov <kate_howard@bennelson.senate.gov>; Kevin Caulfield (ND Berg) <Kevin.Caulfield@mail.house.gov>; Kristi Wallin (WY Barrasso) <Kristi_wallin@barrasso.senate.gov>; Lindsey Christmas (ND Berg) <lindsey.christman@mail.house.gov>; Louis.pofahl@mail.house.gov <Louis.pofahl@mail.house.gov>; Mark Matulka (NE Governor's Office) <Mark.L.Matulka@nebraska.gov>; marty_boeckel@conrad.senate.gov <marty_boeckel@conrad.senate.gov>; Mary.Hollatz@mail.house.gov <Mary.Hollatz@mail.house.gov>;

nancy_johner@johanns.senate.gov <nancy_johner@johanns.senate.gov>;
nathan_vanderPlatts@harkin.senate.gov <Nathan_VanderPlaats@harkin.senate.gov>; Patrick Lehman
(Johanns) <Patrick_Lehman@johanns.senate.gov>; patrick_leahy@bennelson.senate.gov
<patrick_leahy@bennelson.senate.gov>; pete.Obermueller@mail.house.gov
<pete.Obermueller@mail.house.gov>; Phil_Erdman@johanns.senate.gov
<Phil_Erdman@johanns.senate.gov>; Renee Latterell (SD Noem) <renee.latterell@mail.house.gov>;
Robin Bailey (WY Enzi) <robin_bailey@enzi.senate.gov>; Ron Rauschenberger (ND Governors
Office) <r.rausche@nd.gov>; ryan.mcconnaughey@mail.house.gov
<ryan.mcconnaughey@mail.house.gov>; Schwietert, David (Thune)
<d_schwietert@thune.senate.gov>; shane_goettlet@hoeven.senate.gov
<shane_goettlet@hoeven.senate.gov>; Sharon Boysen (SD Johnson)
<sharon_boysen@johnson.senate.gov>; Sheena Wilson (MT Governor's Office) <swilson@mt.gov>;
sherry_kuntz@grassley.senate.gov <sherry_kuntz@grassley.senate.gov>; Shuhai Zheng (NE)
<shuhai.zheng@nebraska.gov>; Spencer Gray (MT Baucus) <Spencer_Gray@baucus.senate.gov>; Susan
France (NE) <susan.france@nebraska.gov>; Ted Stopulos <Ted.Stopulos@iowa.gov>; Thomas
"Tucker" Fagan (WY Lummis) <Tucker.Fagan@mail.house.gov>; Todd Sando (ND State Water
Commission) <tsando@nd.gov>; Tom Nelson (ND Berg) <tom.nelson@mail.house.gov>; Tracee Sutton
(ND Conrad) <tracee_sutton@conrad.senate.gov>; WY Governor's Office <masay@state.wy.us>;
Zachary Nelson (Zach_Nelson@bennelson.senate.gov) <Zach_Nelson@bennelson.senate.gov>
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED]
NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO
Sent: Wed May 25 22:16:18 2011
Subject: NEW TIME: Flood Fight Call at 0800 hrs CST, 26 May 2011

Good evening.

As Omaha District Commander COL Robert Ruch committed during the joint call on Tuesday, 24 May 2011, as the best available information is received by the District and we have the opportunity to assess the impacts, we will inform you as quickly as possible. As the conditions have evolved, the Thursday, 26 May 2011 call is being moved from 1600 hrs CST to 0800 hrs CST. Please join us in the morning at the following call in number. Please share in your offices as you deem necessary.

Please send a reply to this email me if you attend as roll call will not be solicited on the phone so as to be efficient with everyone's time. Additionally, a reminder to identify yourselves prior to asking questions for the benefit of the group.

WHAT: Flood Fight Update Call with Congressional and State staff
WHEN: 26 May 2011 at 0800 hrs CST

USA Toll-Free: [REDACTED]
ACCESS CODE: [REDACTED]

Regards,

[REDACTED]
Chief of Planning
Congressional Liaison
US Army Corps of Engineers
Omaha District
1616 Capitol Avenue
Omaha, NE 68102-4901
[REDACTED] (o)
[REDACTED] (c)

[REDACTED] NWO

From: Bertino, John J Jr NWO
Sent: Thursday, May 26, 2011 6:21 AM
To: [REDACTED] NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02
Cc: [REDACTED] NWO; [REDACTED] NWO
Subject: FW: Ft Randall (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All,

See Dave's note below. It appears that the Fort Randall Spillway situation is not a dam safety issue. Dave and Mike will coordinate with Tom Curran today and will recommend all discharges go through the flood tunnels.

Bertino

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 1:35 AM
To: Bertino, John J Jr NWO
Cc: [REDACTED] NWO; [REDACTED] NWO
Subject: Ft Randall

[REDACTED] and I just finished inspection. As of midnight or so, there is no longer any discharge emerging within or downstream of the sinkhole. It appears that concentrating the spillway flows to the east side has stabilized the situation and we do not have a dam safety emergency. Recommend Worden stay in Williston.

We plan to meet with Tom Curran tomorrow morning and discuss routing all outflows through outlet works. We would like to get on a dry chute slab to inspect the condition of the wall joints and drain openings so we can determine where water is entering pervious backfill and design a fix.

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 5:34 AM
To: Farhat, Jody S NWD02
Subject: Re: Stages

I think I said 19.5 in Bismarck but said we would confirm. In Pierre they seem to use elevation.

V/R,

COL Bob Ruch

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: Ruch, Robert J COL NWO; [REDACTED] NWO; [REDACTED] NWO
Sent: Thu May 26 03:32:07 2011
Subject: Re: Stages

I think John has the best estimates

----- Original Message -----

From: Ruch, Robert J COL NWO
To: Farhat, Jody S NWD02; [REDACTED] NWO
Sent: Thu May 26 03:25:25 2011
Subject: Stages

Need to confirm stages in cities - key point last night on calls.

V/R,

COL Bob Ruch

Message sent via my BlackBerry Wireless Device

NWO

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 5:33 AM
To: Farhat, Jody S NWD02
Subject: Fw: Ft Randall

V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----
From: Ruch, Robert J COL NWO
To: McMahon, John R BG NWD
Sent: Thu May 26 03:24:19 2011
Subject: Fw: Ft Randall

Sir,

Good news here - still something to fix but not an emergency.

V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----
From: Bertino, John J Jr NWO
To: Ruch, Robert J COL NWO
Sent: Thu May 26 03:15:58 2011
Subject: Fw: Ft Randall

Sir,

See note below from [REDACTED]. Looks like the Ft Randall situation is not a dam safety concern.

----- Original Message -----
From: [REDACTED] NWO
To: Bertino, John J Jr NWO
Cc: [REDACTED] NWO; [REDACTED] NWO
Sent: Wed May 25 23:35:14 2011
Subject: Ft Randall

John,

Mike and I just finished inspection. As of midnight or so, there is no longer any discharge emerging within or downstream of the sinkhole. It appears that concentrating the spillway flows to the east side has stabilized the situation and we do not have a dam safety emergency. Recommend [REDACTED] stay in Williston.

We plan to meet with [REDACTED] tomorrow morning and discuss routing all outflows through outlet works. We would like to get on a dry chute slab to inspect the condition of the wall

joints and drain openings so we can determine where water is entering pervious backfill and design a fix.

[REDACTED] NWO

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 5:25 AM
To: Farhat, Jody S NWD02; **[REDACTED] NWO**
Subject: Stages

Need to confirm stages in cities - key point last night on calls.
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

[REDACTED] NWO

From: Ruch, Robert J COL NWO
Sent: Thursday, May 26, 2011 12:39 AM
To: Farhat, Jody S NWD02
Subject: Re: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Jody - I spoke with all in ND and SD. It went pretty well.

V/R,

COL Bob Ruch

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO
Sent: Wed May 25 22:21:19 2011
Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,

Jody

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 12:21 AM
To: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] HQ02@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] S NWO; [REDACTED] NWO; [REDACTED] NWD-OMAHA; [REDACTED] NWD; [REDACTED] NWD02; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Blechinger, Erik T NWO
Subject: Talking Points for CODEL call on 26 May - CLOSE HOLD until after 8 a.m. call (UNCLASSIFIED)
Attachments: 2011 Missouri River Flood Talking Points 26 May 2011.docx

Classification: UNCLASSIFIED
Caveats: NONE

Sir - attached are the talking points I prepared for the CODEL call and call-in press conference tomorrow.

VR,
Jody

Classification: UNCLASSIFIED
Caveats: NONE

2011 Missouri River Flood Talking Point

26 May 2011 - 8 a.m.

Background

- Huge rain event over the past two weeks in eastern Montana, northern Wyoming and the western Dakotas
 - As much rain in the past month as this region gets in a normal year
 - 300 - 600 percent of normal
- Runoff from the rain has use up much of the storage we intended to utilize to manage the snowmelt runoff
- Snowpack peaked late, at 135 to 140 percent of normal, and has only just begun to runoff into the system.
- Release forecasts issued over the past several days were looking at short term, immediate changes we needed to handle the rainfall event
- Now we've had a chance to look at the longer range forecast to determine what we need to do to manage the snowmelt runoff that is poised to come into the reservoir system

Snowmelt

- With the reservoirs this full, timing of the snowmelt runoff and reservoir releases is critical
 - Similar snowpack to other high water years – the record runoff year of 1997 and 1975 when we set record pool levels at Fort Peck and Garrison
 - Used the timing and shape of those snowmelts applied to the runoff expected in 2011 to estimate daily inflows and releases for the reservoirs
 - Applied to current reservoir conditions

Releases

- Increased releases well above those previously announced are necessary at all six mainstem dams
- Increased releases are needed to manage the reservoir levels to avoid reaching the top of the spillway gates
 - If reservoirs reach the top of the spillway gates, inflow equal outflow
- This plan is based on what we know today looking out the next 60-day snowmelt window
 - As always, subject to change based on changing weather conditions
- Anticipating releases at all reservoirs except Fort Peck to eventually reach the 110 kcfs range
 - 120 kcfs possible system wide
 - Would increase stages about 0.7 feet in most areas

Reservoir Specific Releases

- Fort Peck
 - Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July
 - Peak reservoir level within 1 foot of the top of spillway gates

- Garrison
 - Increase to 85 kcfs on schedule provided previously
 - Hold 85,000 cfs through approximately 9 June
 - Step up to 105 kcfs by mid to late June
 - Peak reservoir level at top of spillway gates
- Oahe
 - Increase to 85 kcfs on schedule provided previously
 - Hold 85,000 cfs through 3 June
 - Step up to 100 kcfs by 6 June
 - Eventually reaching 110 kcfs by late June – early July
 - Peak reservoir level within 1 foot of the top of the spillway gates
- Big Bend
 - Increase release to 85 kcfs on schedule provided previously
 - Step to 90,000 next week
 - Eventually reaching 110 kcfs by late June – early July
 - Normal operating level for reservoir – no flood control storage
- Fort Randall
 - Increase to 82.5 kcfs on schedule provided previously
 - Releases gradually increased to 108 kcfs by late June – early July
 - Peak reservoir level 1364.5
- Gavins Point
 - Increase to 85 kcfs on schedule provided previously
 - Releases gradually increased to 110 kcfs by late June – early July
 - Normal operating level for reservoir – no flood control storage

Summary

- Forecast is based on best available information at this time and considers snowmelt period which previous estimates did not
- Releases of 110 kcfs are certain for lower 5 dams
- 120 kcfs across the system within the realm of possibility and is what we will be building to at any projects we are involved in
- These peak releases are absolutely necessary to manage the reservoir levels to avoid reaching the top of the spillway gates even if climatic conditions were to change suddenly for the better
- Release schedule firm for initial increases to 85,000 cfs; beyond that there will be shifts in timing based on conditions on the ground.
- Omaha and Kansas City Districts are working on flood inundation mapping which will be shared with local officials

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 12:03 AM
To: Ruch, Robert J COL NWO; [REDACTED] NWO; [REDACTED] NWO; Farhat, Jody S NWD02; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: Notes from Tuesday conf call
Attachments: FY11 Flood Fight Congressional Call 24 May 2011 Brief Notes.docx

All: Attached are team internal notes from the call on Tuesday. They will not be forwarded anywhere, but wanted to share amongst us. If anyone desires anything more formal, we can do but will most likely drop the project detail.

Thanks,

[REDACTED]
Chief of Planning
Congressional Liaison
US Army Corps of Engineers
Omaha District
1616 Capitol Avenue
Omaha, NE 68102-4901
[REDACTED] (o)
[REDACTED] (c)

MEMORANDUM FOR THE RECORD

DATE: 24 May 2011, 1600 hrs

SUBJECT: USACE Missouri River Flood Status Update Call with Congressional Staff Members

USACE (NWO) Participants

COL Ruch, Ted Streckfuss, Katie Schenk, Jody Farhat, Kim Thomas, Kayla Eckert-Uptmor, Jennifer Salak

Non-USACE Participants

49 non-participants (including Tribal members); official role call not solicited.

- COL Ruch opened call.
- Kayla Eckert Uptmor introduced USACE participants and facilitated call.
- Jody Farhat provided broad status updates for each project.
- Kim Thomas provided update on flood fight actions.
- Call was adjourned with agreement to hold next call at 1600 hrs on 26 May 2011.

Project Updates

Fort Peck

- Snowpack above Fort Peck hit 141 percent of normal peak, current conditions at about 108 percent of normal peak accumulation
- Releases are being reduced; Fort Peck will enter exclusive flood control pool by next week
- MT has received a year's worth of rainfall in only 10 days

Garrison

- Snowpack above Garrison hit 136 percent of normal peak and is slow to melt, current conditions at about 132 percent of normal peak accumulation – gaining snow in higher elevations
- Garrison is already 1ft into exclusive flood control pool
- Releases will be 75,000cfs on Wed/Thus this week; 80,000cfs by this weekend; 85,000cfs by Monday
- 85,000cfs release will mean reaching a stage of 17.5 to 18 feet (this hasn't occurred since the 1950s)
- Travel time for water released from Ft. Peck will reach Garrison in approx. 36 hours
- Areas of Bismarck will incur flooding – emergency management teams have been deployed and inundation maps are being created

Oahe

- Oahe is already in exclusive flood control pool; 1 foot below record pool elevation
- 85,000cfs will be released by this weekend; record release was 59,300cfs in 1997

Big Bend

- There is still available storage capacity

Fort Randall

- Running in the 85,000cfs range; there is still flood control capacity

Gavins Point

- Will reach 75,000cfs by Monday

Questions

1. How do participants get copies of the inundation maps? (Shane Goettle – Sen. Hoeven’s office)
 - Kim Thomas will send maps to Kayla and Kayla will send to everyone in attendance on the call.
2. How high is threat level for Omaha?
 - River stage at Omaha is 28 ft (flood stage is 29 ft) (Jody Farhat)
3. If releases go higher than 85,000cfs, how do we prepare for those levels in such a short time? (Julie in Bismarck)
 - USACE is working scenarios from 1997 water levels – once those studies are finished, there will be some bounds to work within. (Jody Farhat)
 - When USACE receives the NWS conditions, our intention is to inform Members of that information immediately. (Col. Ruch)
4. Are releases at the 100-year flood event? (Mike Fink – Vice Chairman Standing Rock Sioux Tribe)
 - No. (Jody Farhat)
5. There will be serious consequences for Fort Pierre if releases are 85,000cfs. Can levels in Lake Sharpe be lowered to help offset these releases? (Sam Tidball – Mayor of Fort Pierre)
 - Levels were lowered 0.5 feet on Monday and 0.5 feet on Tuesday. USACE is currently operating Lake Sharpe at 1419.5 to 1420 feet. (Jody Farhat)
6. Forecast on the Internet showed Gavins Point at 85,000cfs on Monday, May 30th. (Jody – Dakota Mills)
 - This is a 3-week forecast. (Jody Farhat)
7. Issue for Standing Rock?
 - Eric Stasch (OPM – Oahe) informed Standing Rock that USACE was going out to the field on 25 May 11 to take a look at the problem and discuss with the Tribe.

Do Outs

1. Kim Thomas to send Bismarck and Pierre inundation maps to Kayla Eckert-Uptmor who will send to those Congressional staff members on the call.
2. Invite Congressional staff members to another flood status update call on 26 May 11 at 1600.

Burke, Linda F NWD02

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 5:09 PM
To: [REDACTED]
Subject: Re: Three-week (UNCLASSIFIED)

Mike - we'll be landing at offutt soon. I'll call you when we get on the ground. Want to run a second study with much quicker come ups. As soon as measures in place go to 110kcfs at garr and oahe.

----- Original Message -----

From: Swenson, Michael A NWD02
To: Farhat, Jody S NWD02
Sent: Fri May 27 14:33:14 2011
Subject: Three-week (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody,
I've attached the prelim 3-wk forecast. I'm sure it's tough to read. Due to the extra inflow we had to move all increases to be quicker and higher. For example, we had to increase Garrison to 110 instead of 105. Of course, this pushes all the way downstream. Do you want it posted like this?

Mike

-----Original Message-----

From: device@nwo.ds.usace.army.mil [<mailto:device@nwo.ds.usace.army.mil>]
Sent: Friday, May 27, 2011 4:28 PM
To: Swenson, Michael A NWD02
Subject:

This document was digitally sent to you using an HP Digital Sending device.

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
[REDACTED]
From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 9:51 PM
To: [REDACTED]
Cc: Ruch, Robert J COL NWO; [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED]
Subject: RE: Call tomorrow (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

The answer is that we consulted on the Master Manual which is used to guide daily release decisions on the regulation of the system. Updating the Master Manual was the decision that was consulted on, now we are simply implementing that decision.

Keith Fink, the Big Bend project manager, has been coordinating with the Lower Brule and Crow Creek Tribes with regard to the Big Bend pool elevation even though we have not reached the elevation triggers that require us to coordinate with them.

Jody

-----Original Message-----
From: [REDACTED]
Sent: Friday, May 27, 2011 4:18 PM
To: Farhat, Jody S NWD02
Cc: Ruch, Robert J COL NWO; [REDACTED]
Subject: Call tomorrow
Importance: High

Jody,
Recommend that you be prepared to address the question regarding why there was not Tribal Consultations conducted before making decisions... [REDACTED]

Message sent via my BlackBerry Wireless Device

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWD

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 12:20 AM
To: [REDACTED] HQ02; House, Gary W HQ02; Hunter, [REDACTED] HQ02
Cc: [REDACTED] Tipton, Robert A Col NWD [REDACTED] T
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Here is the latest update for the missouri river basin as reported by BG McMahon in an email to his superiors tonight. The condition continues to worsen by the day. If the 5 day qpf materializes, and hpc has a good degree of confidence that it will, we will have to increase releases sooner than planned and will be at rates nearly double our previous record high from fort peck, garrison and oahe within the week. These increase releases will eventually be passed down through the other 3 reservoirs and into the lower river. This will result in historic flooding (since the system was built) in the upper portion of the basin and perhaps higher than the 1993 flood in the lower basin.

More details will be forth coming tomorrow.

Note to NWD leaders: I am sending this update to the WM team at HQ per their instructions that I should report to them anything I report to the CG. As such, I will also add the cc list to any email I send to HQ for your SA.

Jody

----- Original Message -----

From: McMahon, John R BG NWD
To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02
Cc: [REDACTED] Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; [REDACTED]
Sent: Fri May 27 21:23:22 2011
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir:

Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there.

Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.

VR, John

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 11:26 AM
To: [REDACTED]
Cc: [REDACTED]
[REDACTED], Secor, John R NWD; Austin-Simms, [REDACTED]
[REDACTED] Tipton, Robert A Col NWD; [REDACTED] Ruch, Robert J
COL NWO; McMahon, John R BG NWD; Farhat, Jody S NWD02
Subject: RE: Question about flood insurance and Garrison Dam (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I believe FEMA needs to provide us more guidance on what "above average" means. There are many options. Above historic average releases, which have been influenced by extended periods of drought? When releases were increased for general flood evacuation which also serves other authorized purposes such as supporting navigation, or when releases were increased due to this extraordinary flood event which started more recently.

Since I believe this is a legal question, I have cc'd the NWD OC and will let them handle it from here. Once the legal definition of "above average" is determined, I would be happy to provide the appropriate dates. I have also cc'd the NWD leadership for their situational awareness.

Jody

Jody Farhat, P.E.
Chief, Missouri River Basin Water Management

-----Original Message-----

From: [REDACTED] A HQ02
Sent: Friday, May 27, 2011 1:35 PM
To: [REDACTED] Jody S NWD02
Cc: [REDACTED] HQ02; Fleming, Lisa HQ; MacDonald, Glen A MAJ HQ
Subject: Question about flood insurance and Garrison Dam (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] Jody --- question for you.

SEN Hoeven's office called me and they have been in contact with FEMA about flood insurance in the Bismarck, ND area. Apparently FEMA has told them that in order for flood insurance to

be applied in this flood, a policy must have been in effect "at the time when flows went above average in Garrison."

They are asking me 1) when was that and 2) how is this measured?

Thanks! [REDACTED]

[REDACTED]
Chief, Future Directions Branch/Civil Works

[REDACTED]
202-761-4113 (desk)

[REDACTED]
202-689-5759 (cell)

[REDACTED]
202-761-4370 (fax)

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 11:41 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] - will do. We're getting more staff in place and will provide an update to the NWD-EOC by 1700 CST. It will be coming from [REDACTED] cc'd on this message. Please add him to the distribution lists as you did for [REDACTED]

Jody

-----Original Message-----

From: [REDACTED]
Sent: Saturday, May 28, 2011 11:35 AM
To: Farhat, Jody S NWD02
Cc: [REDACTED]; Love, Raymond E MAJ NWD; Beaird, Michael L NWD; Taxer, Gordon N NWD
Subject: FW: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

Hopefully this will help but I suspect it will not completely eliminate distractions to you. I think it would be good for you to provide the CENWD-EOC a daily update as of 1700CST (or at least point us in the right direction) on efforts going on in your AO. We can include your update into our SITREPs we send to HQs. We get and release SITREPS from NWO and NWK on a daily basis already so nothing more elaborate is needed. This should hopefully feed the beast.

[REDACTED]

-----Original Message-----

From: [REDACTED]
Sent: Saturday, May 28, 2011 9:28 AM
To: [REDACTED]
Cc: [REDACTED]; Robert A Col NWD; Smith, Thomas P COL HQ02; [REDACTED]; Farhat, Jody S NWD02; CENWD-EOC NWD; Beaird, Michael L NWD; Love, Raymond E MAJ NWD; Langdale, Arthur NWD
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Gentlemen,

POCs my office are Mike Beaird, MAJ Ray Love, or myself.

Chief, Readiness and Contingency Operations Northwestern Division

From: Stanley J HQ02 on behalf of CHQOC HQ02
Sent: Saturday, May 28, 2011 12:35 AM
To: Farhat, Jody S NWD02
Cc: D [REDACTED]
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

UOC Acknowledges receipt!

Stanley J. Swafford, RA
Operations Officer
HQUSACE Operations Center

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 1:20 AM
To: U [REDACTED]; Webb, Jerry W HQ02; Shepp, David E HQ02; House, Gary W HQ02; Hunter, John W HQ02
Cc: A [REDACTED], G Wirt NWD; Hearn, James J NWD; Tipton, Robert A Col NWD; B [REDACTED] NWO
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

More details will be forth coming tomorrow.

Jody

Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Caveats: NONE

VR, John

Caveats: NONE

Caveats: NONE

Caveats: NONE

Burke, Linda F NWO

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 12:02 PM
To: McCallister, Roy F, Jr NWO
Subject: FW: Lake Audubon Pool Levels (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Something for today's report to EOC

-----Original Message-----

From: Temeyer, Timothy E NWO
Sent: Saturday, May 28, 2011 11:57 AM
To: 'terry_ellsworth@fws.gov'; 'mmarohl@usbr.gov'; 'todd_frerichs@fws.gov'; 'jalee@nd.gov'; 'jkelsch@nd.gov'; 'glevi@nd.gov'; 'kkovar@daktel.com'; 'Dyke, Steve R.'; 'davek@daktel.com'; 'ggere@usbr.gov'; 'dfewless@state.nd.us'; 'kgoff@nd.gov'; 'lloyd_jones@fws.gov'
Cc: 'DKrogstad@usbr.gov'; 'Aycock, Gordon L'; 'Erger, Patrick J'; Bergman, Kellie K NWO; Grode, Kevin R NWD02; Farhat, Jody S NWD02; Beyer, Ronald S NWO; Remus, John I NWO; Lindquist, Todd J NWO; Sobczyk, David F NWO; Bertino, John J Jr NWO; Stamm, Kevin D NWD02; Jeffers, Shannon W NWO; Ray, David P NWO; Keasling, Robert D NWO; Cullin, Ross J NWO; Noel, Rick L NWO; Larson, Lon G NWO; Utecht, Beth A NWO; Schenk, Kathryn M NWO; Vandenberg, Matthew D NWO; Thompson, Bradley E NWO; Thomas, Kimberly S NWO; Buckley, Ryan M NWO; Swenson, Michael A NWD02; Seefus, Kathryn J NWO; Flanigan, Alexander J NWO; Twombly, Brian J NWO; Totten, Richard G NWO; Tracy, Thomas J NWO; Austin Smith, Christina A NWD; Phelps, Linda M NWO; Latka, Doug C NWD02; Johnston, Paul T HQ@ NWO; Oldham, Margaret NWO
Subject: Lake Audubon Pool Levels

Corps of Engineers Missouri River Water Management Division has decided utilize storage available in Lake Audubon as part of Garrison Reservoir flood control operations. Bureau of Reclamation will initiate pumping and open gravity flow conduit at about noon today. Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day.

Final pool level for Lake Audubon has not been determined. We will continue to evaluate impacts and over the next several days to determine the final pool level. Corps of Engineers personnel will initiate emergency Section 7 consultation with U.S. Fish & Wildlife Service today.

Thanks,

Tim Temeyer
Hydraulic Engineer
Water Control & Water Quality Section
402-995-2300 (office)
402-689-2272 (cell)

-----Original Message-----

From: Temeyer, Timothy E NWO
Sent: Friday, May 27, 2011 7:18 PM
To: 'terry_ellsworth@fws.gov'; 'mmarohl@usbr.gov'; 'todd_frerichs@fws.gov'; 'jalee@nd.gov'; 'jkelsch@nd.gov'; 'glevi@nd.gov'; 'kkovar@daktel.com'; 'Dyke, Steve R.'; 'davek@daktel.com'; 'ggere@usbr.gov'; 'dfewless@state.nd.us'; 'kgoff@nd.gov'; 'lloyd_jones@fws.gov'
Cc: 'DKrogstad@usbr.gov'; 'Aycock, Gordon L'; 'Erger, Patrick J'; Bergman, Kellie K NWO; Grode, Kevin R NWD02; Farhat, Jody S NWD02; Beyer, Ronald S NWO; Remus, John I NWO;

Conference call with Lake Audubon was held at 2:00 p.m. today. Attached are agency comments received before the call (labeled May 26), and agency comments discussed during call (labeled May 27).

Agency comments are being provided to the Missouri River Water Management Division, and this information will be used in determining need for use of available storage in Lake Audubon. We will notify you of any decisions or additional coordination requirements.

Hydraulic Engineer
Water Control & Water Quality Section

2

NWO

From: McMahon, John R BG NWD
Sent: Friday, May 27, 2011 11:23 PM
To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir:
Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there. Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.
VR, John

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 10:52 PM
To: Farhat, Jody S NWD02
Subject: Re: Call tomorrow (UNCLASSIFIED)

Thanks for the cc Jody....hang in there!

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWO
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD;
Sent: Fri May 27 19:51:11 2011
Subject: RE: Call tomorrow (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

The answer is that we consulted on the Master Manual which is used to guide daily release decisions on the regulation of the system. Updating the Master Manual was the decision that was consulted on, now we are simply implementing that decision.

[REDACTED], the Big Bend project manager, has been coordinating with the Lower Brule and Crow Creek Tribes with regard to the Big Bend pool elevation even though we have not reached the elevation triggers that require us to coordinate with them.

Jody

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 4:18 PM
To: Farhat, Jody S NWD02
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO
Subject: Call tomorrow
Importance: High

Jody,

Recommend that you be prepared to address the question regarding why there was not Tribal Consultations conducted before making decisions.....Joel

Message sent via my BlackBerry Wireless Device

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 10:43 PM
To: Farhat, Jody S NWD02; Williamson, Eileen L NWO; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: RE: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I completely agree, just want to keep it for the CMT and internal.

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[\[REDACTED\]@usace.army.mil](mailto:[REDACTED]@usace.army.mil)

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 9:43 PM
To: Williamson, Eileen L NWO; [REDACTED] NWO; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: RE: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I don't think any of this is necessarily for public consumption. My understanding is the stuff for John L is for them to use to brief HQ. We may choose to use some pieces of it for public information, but certainly not the talking points or your EM information in the storyboard.

-----Original Message-----

From: Williamson, Eileen L NWO
Sent: Friday, May 27, 2011 2:57 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody, [REDACTED]

I believe the Storyboard that Monique provided you yesterday was to give our SMEs a tool for communicating to the public.

The slides that came from John Leighow appeared to be a request for a product to communicate internally.

We have moved the storyboard information minus the talking points and deployment numbers to a Powerpoint Slide and Added the Map Per John's suggestion (noted in an email from Jody last night)

As noted below, Katie sent me a copy of the email which was provided to Monique by Jody. Monique and I worked together to try to address both requests with a single product.

However, we need to delineate what is for public consumption and what is for internal communication.

Both are attached here.

Regards,
Eileen

-----Original Message-----

From: Schenk, Kathryn M NWO

Sent: Friday, May 27, 2011 11:37 AM

To: Williamson, Eileen L NWO

Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

-----Original Message-----

From: [REDACTED] NWD

Sent: Thursday, May 26, 2011 7:46 PM

To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWD

Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED]

NWD; [REDACTED] NWD; Cenwk-EOC NWK; CENWO-EOC NWO; CENWP-EOC NWP; CENWS-EOC NWS;

CENWW-EOC NWW; [REDACTED] NWS; [REDACTED] NWK; [REDACTED] NWP; [REDACTED] NWD;

Schenk, Kathryn M NWO; Werner, Richard D NWW

Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Folks,

Reference discussions today on "storyboarding" what's happening within our flood basins, here's what MVD was providing to HQs to help "paint the picture." I believe we already have some good products on hand as well as the information available to tell the NWD flood fight story. This should be easy enough for daily updates. I'm available to discuss.

[REDACTED]

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 10:28 PM
To: 'Tom Gurss'; 'Steven Predmore'
Cc: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Contingency reservoir inflow forecasts (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Tom,

These were great and invaluable. We've integrated them directly into our regulation plans. Huge favor to ask ... can we continue to get these for all 3 projects, with 1 day of QPF and also 5 days of QPF for the next week or so (and perhaps a few days beyond)? You'd run these twice a day, correct?

[REDACTED]
[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE

[REDACTED] (fax)

-----Original Message-----
From: Tom Gurss [<mailto:Tom.Gurss@noaa.gov>]
Sent: Friday, May 27, 2011 9:00 PM
To: [REDACTED] NWD02
Cc: Ross Wolford; Steven Predmore; Kevin Low; Ted Apley; Adrian Faimon
Subject: Contingency reservoir inflow forecasts

Here they are. There was hardly any runoff in the intervening flow for Oahe, so I didn't do a contingency for it. I'm not too comfortable with Oahe inflow because we haven't looked at that very closely before.

Garrison inflow includes 10,000 constant release from Ft. Peck.
Oahe inflow assumes constant 80,000 from Garrison.

This has not been an easy exercise. I hope it turned out correct. We need to figure out a different method next time.

tom

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 10:13 PM
To: DLL-CENWO-EOC CMT-ALL
Cc: CENWD-EOC NWD; Hutson, Marc B COL MIL USA USARNORTH; [REDACTED]
NWO; [REDACTED] HQ02; [REDACTED] MIL USA USARNORTH; [REDACTED] M
CIV USA USARNORTH; Fema-R8-RRCC-DIRECTOR@dhs.gov
Subject: Flood Update #72 (UNCLASSIFIED)
Attachments: Picture 280.jpg; TempOutlook_27May11.xlsx; DailyBulletin5.27.pdf; Day1QPF_27May.gif;
Day2QPF_27May.gif; Day3QPF_27May.gif; ObservedPrecip_27May.jpg;
Pertinent_Mainstem_dam_data_05272011.xlsx

Classification: UNCLASSIFIED
Caveats: FOUO

****EMERGENCY OPERATIONS****

Information Cutoff: 1400 27 May 2011

Situation:

Heavy rains and high plains snowpack have pushed the Missouri River Reservoirs to very high levels that will require aggressive and large releases.

BG McMahon, COL Ruch, and team were in Bismarck, ND for a flood tour and roundtable discussion with Senator Hoeven, Senator Conrad, Governor Dalrymple, ND TAG, City of Mandan Mayor, and City of Bismarck Mayor. The team discussed release plans, reservoir levels, emergency flood fight protective measures, and path forward. There was good discussion and overall the State was pleased with USACE efforts.

BG McMahon, COL Ruch, and team will be in Pierre, SD on Saturday performing a recon of the current USACE operations as well as meeting with Governor Daugaard.

CODEL call will be held Sat 28 May at 0800.

A construction contract was awarded to RJ Zavoral and Sons from West Grand Forks, ND for the area of levee tying in along the bike path in Bismarck. Eight contractors were present, however, only one bid was received in the amount of \$2,473,000. The independent government estimate was \$570,231. A notice to proceed was given on the evening of 26 May with a partial contract award not to exceed (NTE) \$200,000. The contractor will mobilize, place some underwater fill at key locations, and possibly begin initial clearing and surveying. Work begin at 0800 on 27 May. The contract was negotiated to an award price of \$1,432,000.

A construction contract has been awarded to Northern Improvement Company located in Bismarck, ND, in the amount of \$392,951.10. This levee is the southernmost portion of the protection that encompasses the wastewater treatment facility. The independent government estimate was \$349,773.00.

Construction contracts in the City of Ft. Pierre and also in Pierre are expected tonight.

The Standing Rock Sioux Tribe Reservation in North Dakota requested emergency operations technical and direct assistance under PL 84-99. The Tribe is requesting assistance to protect the causeway in Fort Yates, ND; the Sitting Bull Historical Site; water intake and water treatment facilities located in Fort Yates, ND; three waste water facilities which are located in Fort Yates, ND, Solen, ND, and Wakpala, SD; Sioux Village and Ponderosa housing developments; a primary emergency electrical system located in Fort Yates, ND; the Marina

near Cannonball, ND; the Bay at Grand River Casino near Mobridge, SD; the Standing Rock Community Grant School in Fort Yates, ND; and the Sitting Bull College in Fort Yates, ND. The Tribe also requests that the Corps assist in developing a north-south emergency evacuation route to Fort Yates, ND, if the causeway is inundated and the installation of a stream gauging station so the Tribe and Corps can monitor water levels at Fort Yates, ND.

The State of Wyoming has requested additional technical assistance from USACE for the Wind River Reservation and communities along the North Platte River downstream of Casper to the Wyoming and Nebraska state line. Technical teams are being identified.

The Ft. Peck Dam officially entered the exclusive flood control pool on 27 May 2011. The current elevation is 2246.32.

2. Weather:

2a. Past Precipitation:

Light precip of 0.1" to 0.25" fell over most to the district, with heavier centers of 0.75" falling along the South Dakota-Nebraska border as well as 0.75" centers upstream of Oahe in western North Dakota. Up to 0.5" fell along the Montana-Canada border. See attached

2b. Future Precipitation:

The day 1 QPF (700 hours Friday to 700 hours Saturday) Up to 0.5" areas falling in western Montana and northwest Wyoming and up to 0.25" falling across Nebraska. Amounts over 0.5" are predicted to fall on the eastern edge of the Dakotas.

The day 2 QPF (from 700 hours Saturday to 700 hours Sunday) Areas of 0.25-0.50" are predicted to fall along the Platte River from Omaha to the USBR dams in southeast Wyoming and northwest Colorado. Another area of 0.25-0.50" is predicted for over northwestern Montana and western Wyoming. See attached.

The day 3 QPF (from 700 hours Sunday to 700 hours Monday) Significant amounts of rain falling over the district with the North-Central portion of Wyoming and the South-Eastern part of Montana receiving 0.75" to 1.25". See attached.

3. Hydro Status:

3.a River (Flood Stage/Current Stage/Forecast/Date of Peak: Peak Stage)

Montana

- * Little Bighorn River near Hardin/8.0/8.1/receding/May 23: 12.3
- * Tongue River at Miles City/11.0/7.14/rising/May 31: 9.6
- * Yellowstone River at Billings/13.0/11.05/receding/May 26: 13.92
- * Yellowstone River at Miles City/13.0/12.65/rising/May 28: 15.3
- * Yellowstone River at Glendive/53.5/52.42/rising/May 29: 54.1
- * Yellowstone River near Sidney/19.0/19.23/rising/May 30: 19.8
- * Musselshell River near Harlowton/7.0/8.34/crested/May 26: 10.22
- * Musselshell River near Roundup/10.0/14.24/cresting/May 25: 14.75

North Dakota

- * James River at Jamestown/12.00/11.58(1,810 cfs)/steady/
- * James River at LaMoure/14.0/11.6'/slowly rising/
- * Little Missouri River at Medora/15.0/18.72/receding/May 25: 20.48

South Dakota

- * Little Missouri River near Camp Crook/12.0/16.62/receding/May 24: 19.27
- * Cheyenne River near Plainview/16.0/17.42/crested/May 26: 19.45

Nebraska

- * North Platte River at State Line/5.5/5.97/steady/May 25: 6.02

- * North Platte River near Mitchell/7.5/9.15/steady/May 24-25: 9.0
- * North Platte River at North Platte/6.0/rising/May 31: 7.7
- * Platte River at Kearney/6.0/6.13/steady
- * Missouri River at NE City/18.0/22.04/increasing/May 28: 23.2
- * Missouri River at Brownville/33.0/37.41/increasing/May 28: 39.3
- * Missouri River at Rulo/17.0/20.86/increasing/May 29: 23.0

Gages of concern were included in this summary. Let me know if other gages should be included.

3.b Reservoirs:

Tributary Reservoirs:

Pipestem Reservoir (ND) fell 0.15' Monday to elevation 1486.63 ft-msl. Yesterday's daily inflows were 200 cfs. 70.2% of the flood pool is occupied.

Jamestown Reservoir (ND) fell 0.22' yesterday to elevation 1448.26 ft msl. Yesterday's daily inflows were 475 cfs. 63.2% of the flood pool is occupied.

Bowman Haley fell 0.29 ft to elevation 2756.99 ft msl with inflows of 240 cfs and releases of 526 cfs. 5.6% of the flood control pool is occupied.

Heart Butte fell 0.3 feet yesterday and has 10.0% of its flood control pool occupied, Pactola is at 6.2% (rose 0.35'), and Shadehill is at 5.4% (fell 0.06 feet).

Yellowtail rose 2.5 ft yesterday to elevation 3625.29 ft-msl with inflows to 15,473 on Monday. The release was 5,500 cfs. 81.4% of its multipurpose pool is occupied.

Missouri River Mainstem Reservoirs:

Note all inflows and releases are average daily and the pool elevation is the midnight value. Today's releases are the scheduled daily release per yesterday's project orders.

Fort Peck Dam (MT)

5/26 Pool Elev: 2246.3 ft-msl

24 hr change: 0.55'

5/26 Ave Inflow: 71,000 cfs

5/26 Ave Release: 10,200 cfs

5/27 Scheduled Release: 10,000 cfs

Garrison Dam (ND)

5/26 Pool Elev: 1851.6 ft-msl

24 hr change: 0.46'

5/26 Ave Inflow: 167,000 cfs

5/26 Ave Release: 75,100 cfs

5/27 Scheduled Release: 80,000 cfs

Oahe Dam (SD)

5/26 Pool Elev: 1617.90 ft-msl

24 hr change: 0.02'

5/26 Ave Inflow: 107,000 cfs

5/26 Ave Release: 73,100 cfs

5/27 Scheduled Release: 80,000 cfs

Big Bend Dam (SD)

5/26 Pool Elev: 1419.20 ft-msl

24 hr change: -0.21

5/26 Ave Inflow: 67,000 cfs

5/26 Ave Release: 72,200 cfs
5/27 Scheduled Release: 78,000 cfs

Fort Randall Dam (SD)

5/26 Pool Elev: 1357.20 ft-msl
24 hr change: 0.42'
5/26 Ave Inflow: 86,000 cfs
5/26 Ave Release: 66,400 cfs
5/27 Scheduled Release: 67,000 cfs

Gavins Point Dam (NE-SD)

5/26 Pool Elev: 1206.70 ft-msl
24 hr change: 0.07
5/26 Ave Inflow: 86,000 cfs
5/26 Ave Release: 66,400 cfs
5/27 Scheduled Release: 66,000 cfs

The daily reservoir bulletin is attached.

4.a Emergency Operations:

4.a.1 Nebraska -

Missouri River Levees: [REDACTED], LSPM, has contacted Missouri River levee sponsors to inform them of the forecasted releases from Gavins Point. Sponsors are monitoring conditions and flood fighting and levee surveillance are anticipated. The current plan is to send teams on Tuesday, May 31, to determine the base line conditions.

North Platte, North Platte River: A request was received for assistance to protect critical infrastructure at the airport. Missouri River Project staff deployed to install approximately 800 feet of HESCO Bastions on 27 May. Work is expected to be completed today or Saturday, 30 May. Additional emergency measures are currently being developed to protect the airport and a request for implementation of the design is anticipated tonight or Saturday, 30 May. The City is also preparing a request to implement emergency measures to protect critical infrastructure. Design of those measures is forthcoming. The State and the City of North Platte have received provisional flood inundation mapping based on a 9,000 cfs flow through the city. Kingsley Dam release forecasts continue to fluctuate and changes are being monitored and coordinated with the city.

North Platte, South Platte River: The potential exists for high flows on the South Platte River coincident with North Platte River flows. Hydro is currently developing modeling. Forecasted flows range from 3,000 to 15,000 cfs. The wide range is partially due to large amounts of water that can be diverted for irrigation purposes upstream, if dry conditions are prevalent.

4.a.2 Montana - [REDACTED], Omaha District Tribal Liaison, continues to provide assistance the Crow Nation and other tribes in Montana.

4.a.3 North Dakota -

Bismarck/Mandan, ND - A contract was awarded for segments E&F - near southwest end of Bismarck wastewater plant and lagoons. A partial contract and then the full contract was awarded for segment D/Bike trail. Work began this morning on the temporary earthen levee construction. There was a site showing and bid opening for Segments A, B and C. This will also include the Perry Rose Elementary. The site showing will occur on May 28 at 1400. Corps personnel attended the State Operations Briefing at 0800.

A request was received for provision of technical assistance from the Standing Rock Sioux Tribe. Five pumps have been delivered to Bismarck; 1-10", 2-12", and 2-16". Corps

representative held a 1100 meeting with County and Local officials for Burleigh/Morton to discuss advanced measures and develop technical solutions. A 1900 meeting was held to discuss findings with the same officials. In many areas, ground level is already at or above protectable levels. Corps representatives attended the 1300 press briefing. Also in attendance at the press briefing were Senator Hoeven, Senator Conrad, BG McMahon, COL Ruch, Jody Farhat, the State of North Dakota TAG, and local officials.

Williston, ND - Twenty-four hour surveillance is in effect on Williston, ND, levee. Contract solicited to address 3-foot diameter boil adjacent to relief well 7 that is carrying material. The boil was ringed and filled by Corps staff. Boil picture attached.

4.a.4 South Dakota -

Contract packages were completed for both Pierre and Ft. Pierre at 0900 hrs. The Prebid meeting was held at the Oahe Administration Building at 1100 hrs. Immediately following the prebid meeting, all contractors were taken on a walkthrough for both contracts. Bids will be opened at 1700 hrs this date with anticipated award tonight.

Eric Stasch participated in a press conference at the SD EOC with Gov Daugaard, Kristi Turman (SDOEM), Laurie Gill (Mayor of Pierre), and Sam Tidball (Mayor of Ft. Pierre). Most of the area television, radio, and newspapers were present. Eric discussed the contracts that had been prepared and the schedule for bidding and construction. A number of questions were answered concerning the operation of the reservoir system.

4.a.5 Wyoming - See Above
Elk Mountain, WY: No Change

4.a.6 Support to Others - No Change

4.b Funding:

- * Total Code 200 Funding received to date for this event: \$17,956,425
- * Total Code 200 Funding revoked to date for this event: \$2,600,000
- * Class 219 - Emergency Operations - Direct Assistance - \$250,000 - WAD and FAD received 3/14/2011
- * Class 219 - Emergency Operations - Direct Assistance - \$3.825M - WAD received 03/15/11. FAD received 03/16/11.
- * Class 219 - Additional Funds Request on 24 March - \$231,425 - WAD and FAD received 03/24/11.
- * Class 219 - Emergency Operations - Direct Assistance - \$2.5M revoked - 4/13/11
- * Class 219 - Emergency Operations - Direct Assistance - \$100k revoked - 4/22/11
- * Class 210 - Response Operations - Alabama Tornadoes - \$56k - MIPR - 4/30/11
- * Class 210 - Response Operations - Alabama Tornadoes - \$25k - Request and received for EOC Operations and deployments on 4/30/11
- * Class 200 - Emergency Operations - Response Operations - \$500,000 - WAD and FAD received on 05/25/11
- * Class 200 - Emergency Operations - Response Operations - \$750,000 - WAD and FAD received on 05/26/11
- * Class 200 - Emergency Operations - Response Operations - \$5,000,000 - FAD received 05/27/11
- * Class 200 - Emergency Operations - Response Operations - \$10,000,000 - FAD received 05/27/11
- * Class 200 - Emergency Operations - Response Operations - \$3,000,000 - request sent 05/27/11 - verbal for \$2M received 05/27/11

- * Total Code 500 Funding received to date: \$827,904
- * Class 520 Funding - Advance Measures - Technical assistance - \$100K. WAD and FAD received on 3/2/11.

- * Class 52A Additional Request for Funding - Advance Measures - Technical assistance - \$100K. WAD and FAD received on 3/10/11.
- * Class 520 Additional Request for Funding - Advance Measures - Technical assistance - \$101,640. WAD and FAD received on 3/24/11.
- * Class 519 Funding - Advance Measures - Direct Assistance - \$376,264. WAD and FAD received on 3/28/11.
- * Class 520 Funding - Advance Measures - Technical assistance - \$110k - FAD received on 05/12/11.
- * Class 510 Funding - Advance Measures - Direct assistance - \$40k - FAD received on 05/26/11.

4.c Number of Personnel Supporting EOC Operations: 75

5.a EOC Activation - Level III - Partial Activation(Hours: 0700 to 1900)

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED
Caveats: FOUO

7 Day Temperature Forecasts (High/Low)

Location	Fri 27-May	Sat 28-May	Sun 29-May	Mon 30-May	Tue 31-May	Wed 1-Jun	Thurs 2-Jun
Helena, MT	53/36	51/34	52/35	68/39	75/42	68/39	74/NF
Livingston, MT	57/37	52/36	52/39	57/38	66/43	72/46	72/NF
Billings, MT	61/41	59/42	55/44	54/41	67/47	70/49	77/NF
West Yellowstone, MT	44/26	43/26	44/31	48/29	59/31	65/34	65/NF
Yellowstone Park, WY	37/20	36/20	37/25	40/26	51/31	55/35	55/NF
Cody, WY	55/37	52/36	45/38	49/39	67/44	74/48	76/NF
Sheridan, WY	58/39	55/39	52/43	53/39	66/46	68/50	75/NF
Casper, WY	59/39	58/38	56/41	55/40	71/44	76/48	79/NF
Laramie, WY	57/35	53/34	52/38	53/35	67/40	69/44	72/NF

OMAHA DISTRICT DAM INFO AND DAM SAFETY SURVEILLANCE POOL TRIGGERS(As Of: 27 May 2011 1100)

Dam Safety Triggers and Current Data																											
General Information				Elevations (ft-msl)										Current Data							Occupied Storage				Dam Safety Triggers		
Project Symbol	Project	Record Pool	Design Dam Crest	Surcharge	Design Spillway Elevation (crest/top gate)	Top of Multi-Purpose Pool/Conser vation	Top of Annual Flood Control Pool	Top of Exclusive Flood Control Pool	Midnight Elevation (ft-msl)	Daily Elevation Change	Storage (ac-ft)	Previous Day Inflow (DSF)	Previous Day Release (DSF)	Current Day Sched Release (DSF)	MP (%)	FC (ac-ft)	FC (%)	Weekly Surveillance	Daily Surveillance	24-HR Surveillance							
FP	Fort Peck Dam	2252.0 (1975)	2280.5	2256.1	(2225/2250)	2234.0	2246.0	2250.0	2246.30	0.55	17,448,000	71,000	10,000	10,000	10,000	100.0	2,572,316	69.7	2246.0	2250.0	2252.0						
GA	Garrison Dam	1854.8 (1975)	1875.0	1858.5	(1825/1854)	1837.5	1850.0	1854.0	1851.60	0.46	22,732,000	167,000	80,000	80,000	80,000	100.0	4,803,375	84.1	1850.0	1854.0	1854.8						
OA	Oahe Dam	1618.7 (1995)	1660.0	1644.4	(1596.5/1620)	1607.5	1617.0	1620.0	1617.90	0.02	22,369,000	107,000	80,000	80,000	80,000	100.0	3,586,965	82.9	1617.5	1618.7	1618.7						
BB	Big Bend Dam	1422.1 (1991)	1440.0	1433.6	(1385/1423)	1420.0	1422.0	1423.0	1419.20	-0.21	1,589,000	67,000	78,000	78,000	78,000	97.4	0	0	1422.0	1422.0	1423.0						
FR	Fort Randall Dam	1372.2 (1997)	1395.0	1379.3	(1346/1375)	1350.0	1365.0	1375.0	1357.20	0.42	3,682,000	86,000	67,000	67,000	67,000	100.0	595,632	26.0	1365.0	1370.0	1372.0						
GP	Gavins Point Dam	1210.7 (1960)	1234.0	1221.4	(1180/1210)	1204.5	1208.0	1210.0	1206.70	0.07	358,000	86,000	66,400	66,000	66,000	100.0	38,029	25.5	1210.0	1210.0	1210.7						
SYSTEM											6,854,000																

Note: Pool elevations are previous midnight reading. Inflows and releases are previous day's daily average.





US Army Corps
of Engineers
Omaha District

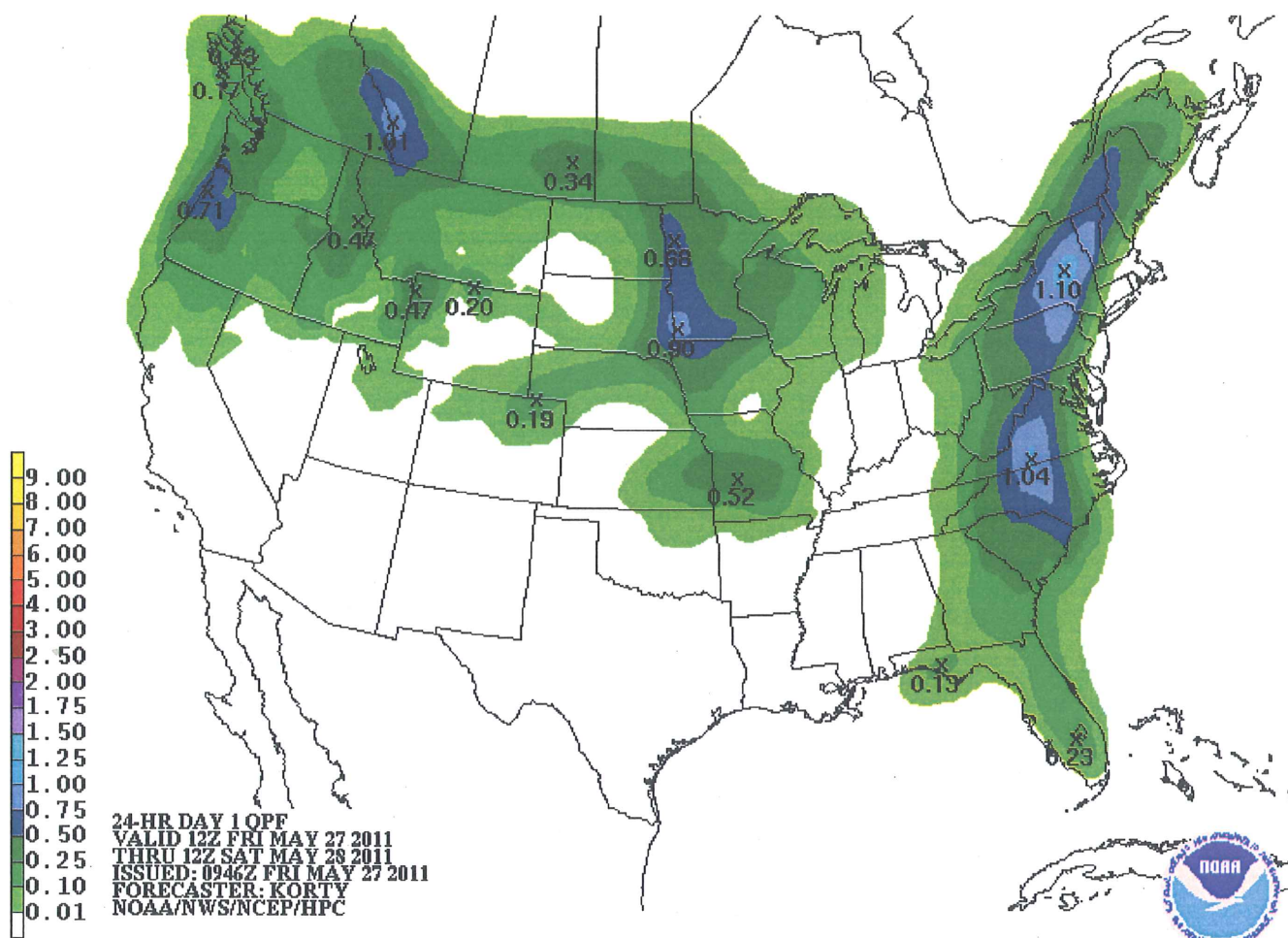
U.S. Army Corps of Engineers, Omaha District

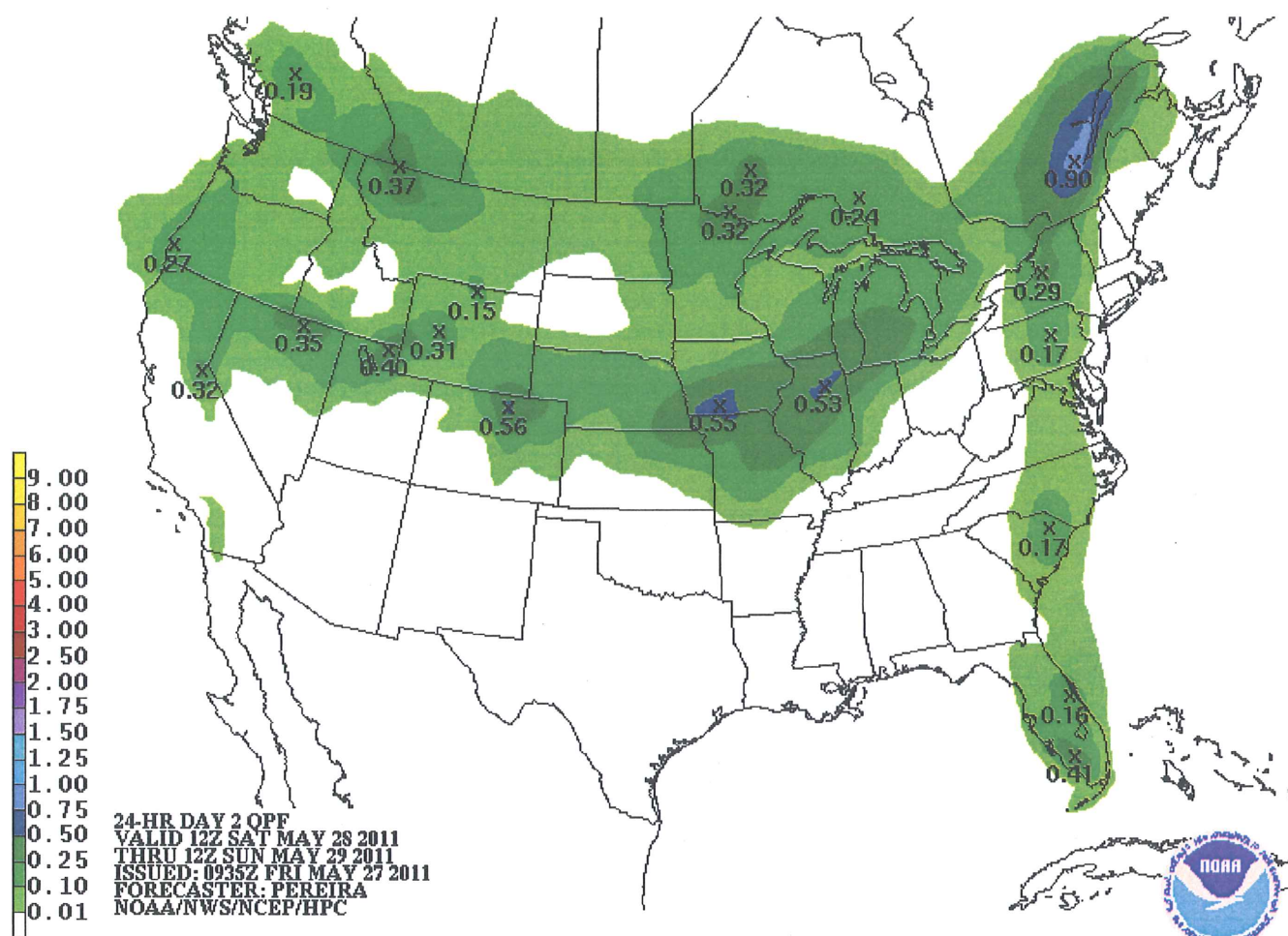
Missouri River Basin Mainstem and Tributary Reservoir Bulletin

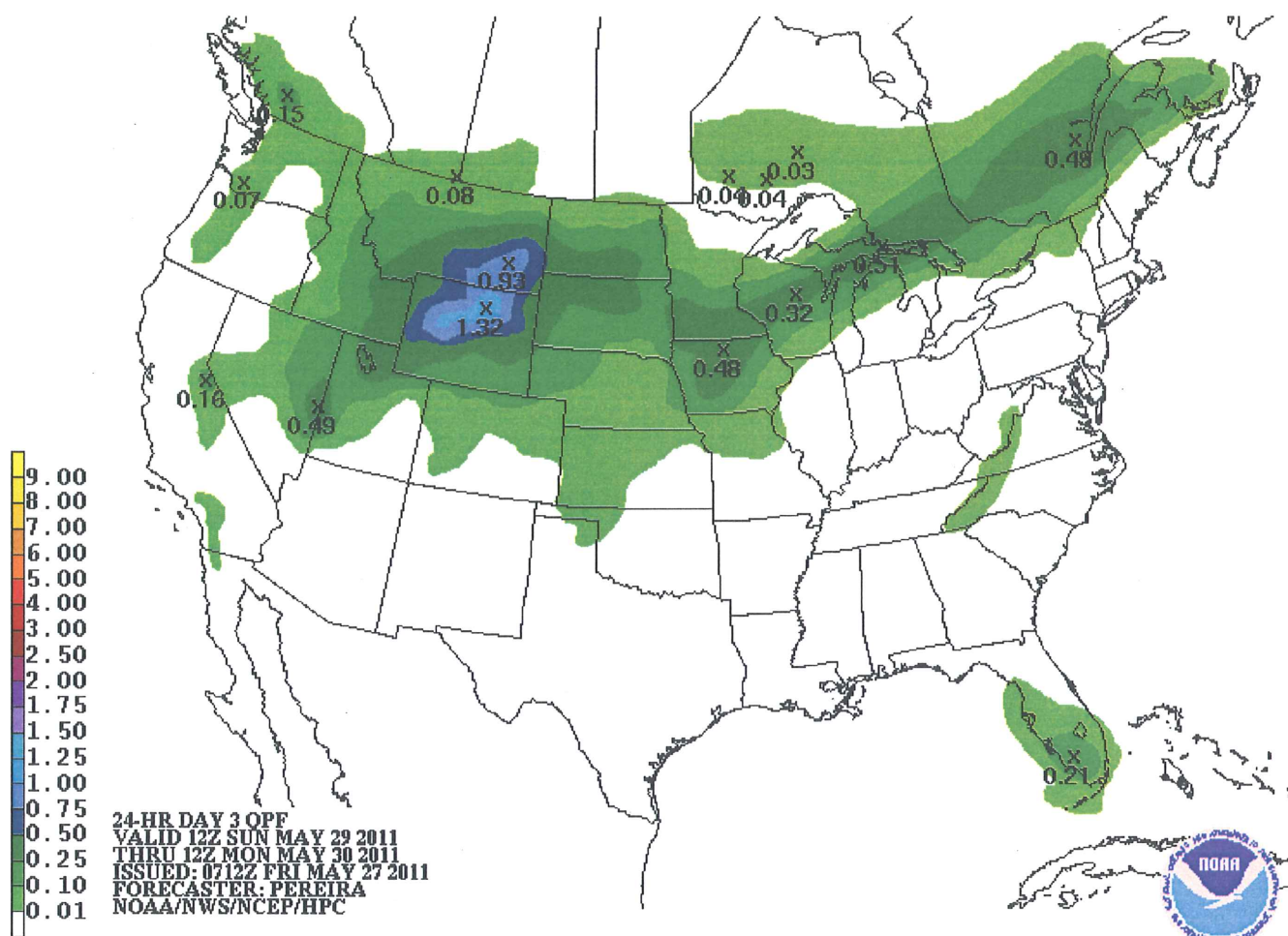
Project Data Date/Time: 05/27/11 12:00 AM

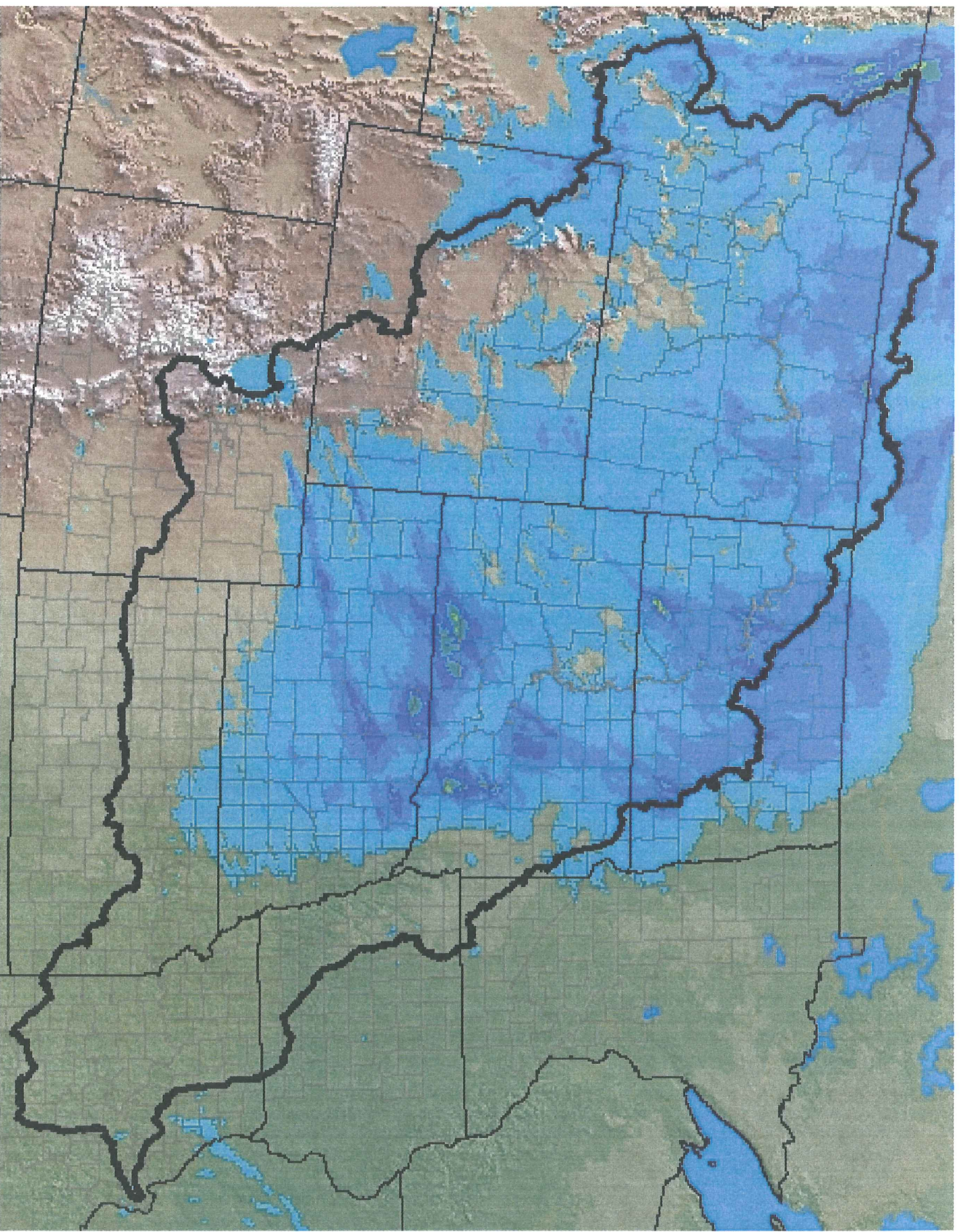
Bulletin Updated: 5/27/11 12:15 PM

Project	Project Information				Current Data					Occupied Storage				
	Elevations (ft msl)		Storage		Elevation (ft msl)	Dly Elev. Change	Storage (ac-ft)	Inflow (dsf)	Release (dsf)	MP (%)	FC (ac-ft)	FC (%)		
	MP	FC	MP	FC										
MRR - Missouri River Mainstem Projects													*Please note Mainstem and USBR data is calculated manually and will populate before 12:00 p.m.	
Fort Peck	2234.0	2250.0	14,995,684	18,687,731	2246.32	0.55	17,568,000	71,000	10,200	100.0	2,572,316	69.7		
Garrison	1837.5	1854.0	18,109,625	23,820,730	1851.58	0.46	22,913,000	167,000	75,100	100.0	4,803,375	84.1		
Oahe	1607.5	1620.0	18,834,035	23,136,960	1617.92	0.02	22,401,000	107,000	73,100	100.0	3,566,965	82.9		
Big Bend	1420.0	1423.0	1,621,484	1,798,614	1419.22	-0.21	1,579,000	67,000	72,200	97.4	0	0.0		
Fort Randall	1350.0	1375.0	3,124,368	5,418,186	1357.17	0.42	3,720,000	86,000	66,400	100.0	595,632	26.0		
Gavins Point	1204.5	1210.0	320,971	469,928	1206.67	0.07	359,000	63,000	62,100	100.0	38,029	25.5		
System Totals							68,540,000							
NWO - USBR Section 7 Projects														
Tiber	2993.0	3012.5	925,649	1,328,723	2987.76	0.71	834,452	6,301	562	90.1	0	0.0		
Clark Canyon	5546.1	5560.4	174,367	253,442	5545.10	0.13	169,177	725	392	97.0	0	0.0		
Canyon Ferry	3797.0	3800.0	1,891,888	1,992,977	3779.20	0.48	1,336,640	20,683	13,635	70.7	0	0.0		
Boysen	4725.0	4732.2	741,594	892,226	4708.56	-0.34	472,915	1,942	4,250	63.8	0	0.0		
Buffalo Bill	5393.5	5393.5	646,565	646,565	5347.65	0.30	323,524	5,215	4,356	50.0	-	-		
Yellowtail	3640.0	3657.0	1,070,000	1,328,000	3625.29	2.5	870,461	15,473	5,529	81.4	0	0.0		
Jamestown	1429.8	1454.0	31,510	221,000	1448.26	-0.22	151,242	263	1,394	100.0	119,732	63.2		
Heart Butte	2064.4	2094.5	67,000	214,000	2068.68	-0.30	81,654	1,719	2,274	100.0	14,654	10.0		
Keyhole	4099.3	4111.5	194,000	334,000	4096.29	0.21	161,793	886	0	83.4	0	0.0		
Pactola	4580.2	4621.5	56,000	99,000	4583.33	0.35	58,685	513	357	100.0	2,685	6.2		
Shadehill	2271.9	2302.0	120,000	350,000	2274.38	-0.06	132,508	1,699	1,863	100.0	12,508	5.4		
Glendo	4635.0	4653.0	518,000	790,000	4631.66	0.53	477,565	7,943	4,877	92.2	0	0.0		
NWO - USACE Tributary Projects														
Bowman-Haley	2754.8	2777.0	18,765	91,482	2756.99	-0.29	22,847	240	526	100.0	4,082	5.6		
Pipestem	1442.5	1496.3	8,944	142,107	1486.63	-0.15	102,404	22	399	100.0	93,460	70.2		
Chatfield	5432.0	5500.0	27,428	234,207	5431.94	-0.11	27,331	72	126	99.6	0	0.0		
Cherry Creek	5550.0	5598.0	12,805	133,134	5550.10	-0.09	12,883	51	69	100.0	78	0.1		
Bear Creek	5558.0	5635.5	1,882	30,586	5558.47	-0.04	1,931	26	28	100.0	49	0.2		
Papio #11	1121.0	1142.0	3,054	16,907	1121.67	0.00	3,317	11	11	100.0	263	1.9		
Papio #16	1104.0	1121.0	1,211	4,782	1104.82	-0.16	1,315	4	14	100.0	104	2.9		
Papio #18	1110.0	1128.2	2,916	10,512	1092.20	0.00	262	0	0	9.0	0	0.0		
Papio #20	1095.8	1113.1	2,536	8,611	1096.40	-0.05	2,680	11	11	100.0	144	2.4		
Cottonwood	3875.0	3936.0	655	8,385	3856.52	0.01	0	0	0	0.0	0	0.0		
Cold Brook	3585.0	3651.4	520	7,200	3582.58	0.01	435	0	0	83.6	0	0.0		
Lake Audubon	1847.0	1847.0	323,690	323,690	1846.81	0	INFLOW AND OUTFLOW NOT CALCULATED							
Lake Pocasse	1617.0	1617.0	11,000	11,000	POOL ELEVATION READ MONTHLY BY PROJECT OFFICE									
Salt Creek #02	1335.0	1350.0	1,100	4,957	1333.97	0.02	940	2	0	85.4	0	0.0		
Salt Creek #04	1307.4	1322.5	2,531	9,660	1307.33	0.01	2,509	1	0	99.1	0	0.0		
Salt Creek #08	1287.8	1302.0	1,780	8,375	1289.42	0.08	2,251	44	31	100.0	471	7.1		
Salt Creek #09	1271.1	1285.0	1,451	5,864	1271.55	-0.03	1,539	2	5	100.0	88	2.0		
Salt Creek #10	1244.9	1262.0	1,629	7,468	1245.72	-0.04	1,807	7	12	100.0	178	3.1		
Salt Creek #12	1232.9	1252.0	1,808	9,415	1233.69	-0.12	1,981	7	21	100.0	173	2.3		
Salt Creek #13	1341.0	1355.0	2,161	7,182	1341.55	-0.17	2,294	-2	19	100.0	133	2.7		
Salt Creek #14	1244.3	1263.5	7,500	27,597	1244.97	-0.12	7,988	-8	38	100.0	488	2.4		
Salt Creek #17	1242.4	1266.0	783	6,628	1242.84	-0.09	862	1	6	100.0	79	1.3		
Salt Creek #18	1284.0	1311.0	25,088	96,759	1285.12	-0.10	27,191	15	113	100.0	2,103	2.9		









0.01 0.05 0.10 0.25 0.50 0.75 1.00 1.50 2.00 2.50 3.00 4.00 5.00 6.00 8.00 +

MBRFC 24-Hour Gage Biased Estimated Rainfall (inches)

Ending: 5/27/2011 at 7:00AM CDT

NWO

From: Williamson, Eileen L NWO
Sent: Friday, May 27, 2011 10:00 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: RE: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

As of now, the first two pages are being used to replace the Riverwatch.

<http://us.vocuspr.com/ViewAttachment.aspx?EID=NMIJ1IcKk3oTji9VTTk54h2vnaFb4Pc7ZDV+XM7fhjs%3D>

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 9:43 PM
To: Williamson, Eileen L NWO; [REDACTED] NWO; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: RE: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I don't think any of this is necessarily for public consumption. My understanding is the stuff for John L is for them to use to brief HQ. We may choose to use some pieces of it for public information, but certainly not the talking points or your EM information in the storyboard.

-----Original Message-----

From: Williamson, Eileen L NWO
Sent: Friday, May 27, 2011 2:57 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody, Kim,

I believe the Storyboard that Monique provided you yesterday was to give our SMEs a tool for communicating to the public.

The slides that came from John Leighow appeared to be a request for a product to communicate internally.

We have moved the storyboard information minus the talking points and deployment numbers to a Powerpoint Slide and Added the Map Per John's suggestion (noted in an email from Jody last night)

As noted below, Katie sent me a copy of the email which was provided to Monique by Jody. Monique and I worked together to try to address both requests with a single product.

However, we need to delineate what is for public consumption and what is for internal communication.

Both are attached here.

Regards,
Eileen

-----Original Message-----

From: Schenk, Kathryn M NWO

Sent: Friday, May 27, 2011 11:37 AM

To: Williamson, Eileen L NWO

Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

-----Original Message-----

From: [REDACTED] NWD

Sent: Thursday, May 26, 2011 7:46 PM

To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWD

Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED]

NWD; [REDACTED] NWD; Cenwk-EOC NWK; CENWO-EOC NWO; CENWP-EOC NWP; CENWS-EOC NWS;

CENWW-EOC NWW; [REDACTED] NWS; [REDACTED] NWK; [REDACTED] NWP; [REDACTED] NWD;

Schenk, Kathryn M NWO; [REDACTED] NWW

Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Folks,

Reference discussions today on "storyboarding" what's happening within our flood basins, here's what MVD was providing to HQs to help "paint the picture." I believe we already have some good products on hand as well as the information available to tell the NWD flood fight story. This should be easy enough for daily updates. I'm available to discuss.

John

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] S NWO
Sent: Friday, May 27, 2011 9:31 PM
To: Williamson, Eileen L NWO; Farhat, Jody S NWD02; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: RE: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Great product! This product can go out first thing in the morning when we have the data to the same distribution list as the sitrep. Just please make sure that data is accurate.

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[REDACTED]@usace.army.mil

-----Original Message-----

From: Williamson, Eileen L NWO
Sent: Friday, May 27, 2011 2:57 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody, [REDACTED],

I believe the Storyboard that Monique provided you yesterday was to give our SMEs a tool for communicating to the public.

The slides that came from John Leighow appeared to be a request for a product to communicate internally.

We have moved the storyboard information minus the talking points and deployment numbers to a Powerpoint Slide and Added the Map Per John's suggestion (noted in an email from Jody last night)

As noted below, Katie sent me a copy of the email which was provided to Monique by Jody. Monique and I worked together to try to address both requests with a single product.

However, we need to delineate what is for public consumption and what is for internal communication.

Both are attached here.

Regards,
Eileen

-----Original Message-----

From: Schenk, Kathryn M NWO

Sent: Friday, May 27, 2011 11:37 AM

To: Williamson, Eileen L NWO

Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

-----Original Message-----

From: [REDACTED] NWD

Sent: Thursday, May 26, 2011 7:46 PM

To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWD

Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED]

NWD; [REDACTED] NWD; Cenwk-EOC NWK; CENWO-EOC NWO; CENWP-EOC NWP; CENWS-EOC NWS;

CENWW-EOC NWW; [REDACTED] NWS; [REDACTED] NWK; [REDACTED] NWP; [REDACTED] NWD;

Schenk, Kathryn M NWO; [REDACTED] NWW

Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Folks,

Reference discussions today on "storyboarding" what's happening within our flood basins, here's what MVD was providing to HQs to help "paint the picture." I believe we already have some good products on hand as well as the information available to tell the NWD flood fight story. This should be easy enough for daily updates. I'm available to discuss.

[REDACTED]

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 6:48 PM
To: Webb, Jerry W HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED]
HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED]
MVM
Cc: Farhat, Jody S NWD02; Barton, James D NWD; Leighow, John K NWD
Subject: FW: Flood Fight Story Board and Talking Points (UNCLASSIFIED)
Attachments: Flood_Fight_Storyboard_27MAY.docx

Classification: UNCLASSIFIED
Caveats: NONE

Our apologies. We thought this information was making it to you.

Monique, please add the folks on the To: line to the distribution list.

[REDACTED]
[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE
[REDACTED]
[REDACTED] (fax)

-----Original Message-----

From: Farmer, Monique L NWO
Sent: Friday, May 27, 2011 10:46 AM
To: DLL-CENWO-EOC CMT-ALL
Cc: CENWD-EOC NWD; Eckert Uptmor, Kayla A NWO; Fletcher, Patsy L HQ02
Subject: Flood Fight Story Board and Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Good morning all:

Please find the attached Flood Fight Storyboard (including main stem reservoir bulletin information) and Talking Points (at the back) for your use today.

V r,

Monique

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE



Missouri River Mainstem Reservoir Bulletin (Updated 27 May 8:08)

Fort Peck	Garrison	Oahe	Big Bend	Fort Randall	Gavins Point
Midnight Elevation 2246.3 ft (msl) (Elev. Change +0.6 ft) Daily Avg. Inflow 71,000 cu ft/second (cfs) Current Release 10,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 2234 ft (msl) – 2246 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 2246 ft (msl) – 2250 ft (msl) Top of Spillway Gates 2250 ft (msl) Planned scheduled releases (subject to change) - Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July - Peak reservoir level within 1 foot of the top of spillway gates 24-hour forecast (Glasgow) Today: Showers likely and possibly a thunderstorm after noon. Mostly cloudy, with a high near 55. Chance of precipitation is 60%. Saturday: Showers likely and possibly a thunderstorm. Mostly cloudy, with a high near 57. Chance of precipitation is 70%.	Midnight Elevation 1851.6 ft (msl) (Elev. Change +0.5 ft) Daily Avg. Inflow 167,000 cu ft/second (cfs) Current Release 75,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1837.5 ft (msl) – 1850 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1850 ft (msl) – 1854 ft (msl) Top of Spillway Gates 1854 ft (msl) River Stage (Bismarck) 15.8 ft (Flood stage – 16 ft) 24-hr change (+0.2 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through 9 June - Step up to 105 kcfs by mid to late June - Peak reservoir level at top of spillway gates 24-hour forecast (Bismarck) Today: A 40% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 63. Saturday: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 60.	Midnight Elevation 1617.9 ft (msl) (Elev. Change +0.00 ft) Daily Avg. Inflow 76,000 cu ft/second (cfs) Current Release 73,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1607.5 ft (msl) – 1620 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1617 ft (msl) – 1620 ft (msl) Top of Spillway Gates 1620 ft (msl) River Stage (Pierre) 13.9 ft (Flood stage – 15 ft) 24-hr change (+0.6 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through 3 June - Step up to 100 kcfs by 6 June - Eventually reaching 110kcfs by late June – early July - Peak reservoir level within 1 foot of the top of the spillway gates 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1419.2 ft (msl) (Elev. Change -0.2 ft) Daily Avg. Inflow 67,000 cu ft/second (cfs) Current Release 72,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1420 ft (msl) – 1423 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1422 ft (msl) – 1423 ft (msl) Top of Spillway Gates 1423 ft (msl) Planned scheduled releases (subject to change) - Increase release to 85 kcfs on schedule provided previously - Step to 90 kcfs next week - Eventually reaching 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1357.2 ft (msl) (Elev. Change +0.4 ft) Daily Avg. Inflow 86,000 cu ft/second (cfs) Current Release 66,400 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1350 ft (msl) – 1375 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1365 ft (msl) – 1375 ft (msl) Top of Spillway Gates 1375 ft (msl) Planned scheduled releases (subject to change) - Increase to 82.5 kcfs on schedule provided previously - Releases gradually increased to 108 kcfs by late June – early July - Peak reservoir level 1364.5 24-hour forecast (Chamberlain) Today: Scattered showers with thunderstorms also possible after 1pm. Mostly cloudy, with a high near 65. Chance of precipitation is 30%. Saturday: A slight chance of showers and thunderstorms. Mostly sunny, with a high near 69. Chance of precipitation is 20%.	Midnight Elevation 1206.7 ft (msl) (Elev. Change +0.1 ft) Daily Avg. Inflow 63,000 cu ft/second (cfs) Current Release 62,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1204.5 ft (msl) – 1210 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1208 ft (msl) – 1210 ft (msl) Top of Spillway Gates 1210 ft (msl) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Releases gradually increased to 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Yankton) Today: Showers, with thunderstorms also possible after 1pm. High near 63. Chance of precipitation is 80%. New rainfall amounts between a quarter and half of an inch possible. Saturday: A slight chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 72. Chance of precipitation is 20%.

Fort Peck	Garrison	Oahe	Big Bend	Fort Randall	Gavins Point
	24-hour forecast (Riverdale) Today: A 50% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 61. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 59. 24-hour forecast (Washburn) Today: A 50% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 61. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 59. 24-hour forecast (Mandan) Today: A 40% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 64. Saturday: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 60. 24-hour forecast (Hazen) Today: A 50% chance of showers and thunderstorms after noon. Partly sunny, with a high near 62. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 61.	24-hour forecast (Ft. Pierre) Today: Scattered showers and thunderstorms, mainly after 1pm. Mostly cloudy, with a high near 64. Chance of precipitation is 40%. Saturday: A slight chance of showers, then a chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 67. Chance of precipitation is 30%. 24-hour forecast (Lower Brule) Today: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 64. Saturday: A slight chance of showers, then a chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 68. Chance of precipitation is 30%.			

Source of information: <http://www.weather.gov/>



Missouri River Flooding (Logistics) (Updated 26 May 11)

Personnel Deployed

- 1 (Billings)
- 12 (Bismarck)
- 5 (Williston)
- 7 (Pierre)
- 3 (Fort Randall)
- 4 (North Platte)

Equipment Deployed

- Sandbags (85,000)
- 10" Pumps (1)
- 12" Pumps (6)
- 16" Pumps (4)
- Expedient Flood Fight Products (Hesco – 19,380 LF)

Meetings

- Daily (Indefinitely) – Press Conference (involving federal, state and local officials and the Corps) at the EOC in Pierre, S.D. Eric Stasch represents the Corps
- 27 May 11 at 1100 – Bus Tour organized by Senator Hoeven's office; General McMahon and Governor Dalmryple will be attending

Source of information: CMT Brief (26 May 11)

Key Messages and Talking Points

ISSUE: Repeated rounds of heavy rain, coupled with record plains snowpack have pushed the Missouri River Reservoirs to very high levels that require aggressive releases out of the main stem reservoirs. A huge event during the past two weeks in eastern Montana, northern Wyoming and the Western Dakotas has brought as much rain into the area during the past month as what the regional normally sees in one year (300-600 percent of normal).

BACKGROUND: The Omaha District provides timely and effective technical advice and direct assistance before and during flood events with a goal of reducing flooding risks.

KEY/COMMAND MESSAGES

1. PUBLIC SAFETY

- Protecting lives is our number one priority, which is what this flood fight is all about – people’s lives. Without the proper operation of the Missouri River main stem system, more lives and property will be at risk. We recognize that managing and communicating flood risk is a shared responsibility among federal, state, local, Tribal and private partners so people can make well informed public decisions about their safety.
- Our emergency response measures are designed to reduce flooding risks.
- We remind the public to remain vigilant of the safety risks associated with flooding events: high water on levees, flooded roads, high flowing streams and environmental issues such as well contamination.
- As the flood fight continues, residents who live and work near flood-impacted areas should remain vigilant and must be prepared to follow directions from their local emergency management officials.

2. TIMELY RESPONSE & PREPAREDNESS

- The Corps has a well-trained team of emergency response personnel, equipment and materials available and ready for mobilization if needed.
- When requested, the Corps provides technical assistance such as ice jam monitoring and scheduling water releases to accommodate snow melt and rain runoff.
- The Corps often provides advanced measures such as sandbags, rapid deployment floodwalls, Hesco bastions and temporary levees, to help reduce flooding risk.

3. ASSISTANCE TO COMMUNITIES AND TRIBAL GOVERNMENTS

- Under the authority of Public Law 84-99 and the Flood Control and Coastal Emergencies appropriations, Corps emergency management personnel collaborate with local, county, state, federal and tribal officials to ensure coordinated efforts in flood risk reduction and emergency response activities.
- We are doing everything we can to protect people and their property, which means making difficult choices and decisions.
- In coordination with Tribal governments and States, the Corps deploys flood fighting materials and supplies (sandbags, pumps, and expedient flood fight products), pre-positions flood flight supplies and equipment, and deploys flood engineers to provide technical assistance.
- In 2010, the operations of Corps Flood Damage Reduction projects prevented \$23.1 billion in flood-related damages. A 10-year average of annual damages prevented is \$25.2 billion.

- When disasters occur, it is not just a local Corps district or office that responds. Personnel and other resources are mobilized across the country to carry out our response missions.
- In any disaster, our top priorities are:
 - Support immediate emergency response priorities;
 - Sustain lives with critical commodities, temporary emergency power and other needs; and,
 - Initiate recovery efforts by assessing and restoring critical infrastructure.

4. EFFECTIVE COMMUNICATION

- We are using all available communication tools to keep the public informed of our emergency response operations, including:

- Internet <http://nwo.usace.army.mil/> - click the flooding link
- OmahaUSACE on Facebook and Twitter
- 24-hour hotline 888-835-5971 ext 2448

Missouri River Basin

- We will be increasing releases to record levels, well above those previously announced at all six of our main stem dams.
- Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second. Previous high releases were 70,000 cfs in the fall of 1997.
- We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.
- People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil and from local emergency management offices.
- During our flood response activities throughout the basin, we will provide regular updates directly to the public at OmahaUSACE on Facebook and Twitter.
- Flooded areas are expected to be inundated for several months. Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse.
- Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions.
- At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.
- Releases from the Missouri River basin will reach the Mississippi basin, but we are coming in about two weeks after the crest and expect the impact to be minimal.

- The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year.
- Our forecasts are based on the best available information we have at this time, and consider the snowmelt period.
- These peak releases are necessary to manage the reservoir levels to avoid reaching the top of spillway gates.

Platte River Basin

- The Corps has provided technical assistance to the State of Wyoming on the Platte River basin, but has not received a request for advanced measures at this time.

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 5:08 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED]
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] MVM
Subject: Daily Flooding Summaries (UNCLASSIFIED)

Jody/[REDACTED] as the UOC has ratcheted up for the Missouri flooding with 1500 calls Saturday through Monday, be sure to get me and others in the cc line above flooding (reservoir and levee) as you receive it.

While much of that info may be going up the EM chain, that is not sufficient in and of itself. You need to feed the H&H and Dam and Levee Safety folks at HQ info in parallel. The EM folks can't explain what's going on to our senior leaders here in spite of receiving info from the field. The technical team up here can't explain what's going on either, if you don't get us info in a regular, timely manner. While a few slides are useful, please be sure to send us daily verbal summaries you receive from the Districts involved. That way, you won't have to develop anything especially for us. That way, we'll all be talking off the same page, too. That's the way we handle it in MVD, LRD, SWD and NAD. It should work fine for you.

Be sure to send your info to everyone listed on the cc line as I requested in my previous email. I have been in an urgent care clinic for much of the week and because you only sent it to me, your info didn't make it to John Hunter this morning. He got blindsided. There's a very good reason for the redundancy.

Thanks for your attention to this.

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Oldham, Margaret NWO
Sent: Friday, May 27, 2011 4:52 PM
To: [REDACTED] NWO; Farhat, Jody S NWD02; Williamson, Eileen L NWO
Cc: DLL-CENWO-PAO; Salak, Jennifer NWO
Subject: 5 p.m. Battle Rhythm for Public Affairs - Updated Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

We will continue to update the storyboard throughout the weekend. For now, talking points remain static.

VR

Maggie Oldham
Public Affairs Officer
Omaha District, USACE
Office: (402) 995-2416
BB: (402) 650-8154
margaret.e.oldham@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

From: Engemann, Daniel [Dan.Engemann@mail.house.gov]
Sent: Friday, May 27, 2011 4:40 PM
To: Farhat, Jody S NWD02
Subject: RE: Conference Calls (UNCLASSIFIED)

Jody,

Is the call-in info for tomorrow the same as the one held today?

Thanks,
Dan

-----Original Message-----

From: Farhat, Jody S NWD02 [mailto:Jody.S.Farhat@usace.army.mil]
Sent: Thursday, May 26, 2011 5:55 PM
To: Engemann, Daniel
Subject: RE: Conference Calls (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Dan - it's generally just the delegation, and I'm sure they don't want the general public on the call, but Tom is an important stakeholder and if you wanted to share that call in information with him I don't think anyone would mind. In fact he may already be on the Kansas City district CODEL list because I remember him being on most of the calls last summer. He'd always follow up with a summary to his contact list and it was a good way to get the info out.

I understand there is a Kansas City CODEL call at 1100 CT tomorrow and a combined Omaha and Kansas City District call at 0800 CT Saturday.

Let me know if you don't receive call-in information for either of those calls.

Jody

-----Original Message-----

From: Engemann, Daniel [mailto:Dan.Engemann@mail.house.gov]
Sent: Thursday, May 26, 2011 4:02 PM
To: Farhat, Jody S NWD02
Subject: Re: Conference Calls (UNCLASSIFIED)

Thanks Jody. Will stakeholders like Tom Waters be able to be on that call as well, or just the delegation?

Dan

----- Original Message -----

From: Farhat, Jody S NWD02 [mailto:Jody.S.Farhat@usace.army.mil]
Sent: Thursday, May 26, 2011 03:55 PM
To: Engemann, Daniel
Subject: RE: Conference Calls (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Dan - don't know if you've gotten any updates but this morning we put out a new release schedule with dramatically higher releases. If you haven't seen or heard anything yet, please give me a call so I can bring you up to date.

Below is a press release we sent out this morning. We are planning a call with the Congressional Delegation for both Omaha and Kansas City Districts at 0800 CT Saturday.

Jody

Jody Farhat, P.E.
Chief, Missouri River Basin Water Management

jody.s.farhat@usace.army.mil
Office: 402-996-3840
Cell: 402-350-1417
Home: 402-551-6013

BUILDING STRONG(r)

NEWS RELEASE

For Immediate Release: May 26, 2011

Contact: Monique Farmer 402-995-2420

monique.l.farmer @usace.army.mil

Jody Farhat 402-996-3840

jody.s.farhat@usace.army.mil

Dam releases to reach historic levels

Omaha, Neb. - Releases from the Missouri River reservoirs will reach historic levels in the coming weeks, the result of above-normal snow in the mountains and extraordinary rain over the last several weeks. Significant flooding in cities, towns and agricultural land is expected in North and South Dakota with many areas from Sioux City, Iowa, to the Mississippi rising above flood stage.

Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second (cfs). The previous high releases were 70,000 cfs in the fall of 1997. "Public safety is our number one concern," said Brig. Gen.

John McMahon, commander of the Northwestern Division of the Army Corps of Engineers. "We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.

"People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil <<http://USACEARMY.pr-optout.com/Url.aspx?520028x532982x-273684>> and from local emergency management offices," he added.

Flooded areas are expected to be inundated for several months.

"Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse," said General McMahon. "Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions." At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.

In the last month, the upper basin has received a year's worth of rain. "The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year," said Jody Farhat, Chief of the Water Management Division here. "With the arrival of the 140 percent-of-normal snowpack runoff, all the reservoirs will reach their maximum levels."

Releases Fort Peck, Mont., are expected to reach 40,000 cfs in early June and peak at 50,000 cfs in early July. The reservoir is forecast to reach within a foot of the top of the spillway gates.

Garrison releases will increase from the current 75,000 cfs to 85,000 cfs on Monday, May 30 and reach 105,000 cfs about mid-June. The peak reservoir level will likely reach the top of the spillway gates at 1853.9 feet. Many areas along the river in the Bismarck-Mandan area will be flooded with 3 to 6 feet of water.

Oahe releases will follow a pattern similar to Garrison, reaching 85,000 cfs on Saturday, May 28 and as high as 100,000 cfs by June 6 and 110,000 cfs by late in the month. The reservoir will peak within a foot of the top of the spillway gates at 1619 feet. Many areas along the river in Pierre will be flooded with 2 to 6 feet of water.

Big Bend releases will mirror those from Oahe, with its reservoir level remaining at 1420 feet.

Releases from Fort Randall will gradually increase from the current 61,000 cfs to 110,000 cfs by late-June. River stages in the reach below the dam should rise 2 to 6 feet.

Releases from Gavins Point will gradually increase from the current 63,000 to 110,000 cfs by the end of June. River stages 3-6 feet above flood stage are expected from just below Sioux City to the mouth north of St. Louis.

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U.S. ARMY CORPS OF ENGINEERS - OMAHA DISTRICT

1616 Capitol Ave., Ste. 9000

<http://www.nwo.usace.army.mil/>

<<http://USACEARMY.pr-optout.com/Url.aspx?520028x532981x-795618>>

Find us on Facebook at [facebook.com/OmahaUSACE](https://www.facebook.com/OmahaUSACE) <<http://USACEARMY.pr-optout.com/Url.aspx?520028x532980x-264544>> and on Twitter at twitter.com/OmahaUSACE

<<http://USACEARMY.pr-optout.com/Url.aspx?520028x532979x-786479>>

<<http://us.vocuspr.com/Url.aspx?520028x333145x761158>> Like us on Facebook

<<http://USACEARMY.pr-optout.com/Url.aspx?520028x532978x-255408>> Follow OmahaUSACE

<<http://USACEARMY.pr-optout.com/Url.aspx?520028x532977x-777344>>

<<http://us.vocuspr.com/Url.aspx?520028x532983x-804761>>

If you would rather not receive future communications from U.S. Army Corps of Engineers, Omaha District, let us know by clicking here.

<<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x316392x3x1875268x24000x6&Email=Jody.S.Farhat%40usace.army.mil>>

<<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x316392x3x1875268x24000x6&Email=Jody.S.Farhat%40usace.army.mil>>

U.S. Army Corps of Engineers, Omaha District, 1616 Capitol Ave., Ste. 9000, Omaha, NE 68102
United States

-----Original Message-----

From: Engemann, Daniel [mailto:Dan.Engemann@mail.house.gov]

Sent: Thursday, May 26, 2011 10:42 AM

To: Farhat, Jody S NWD02

Cc: Blair, Amy E NWK; Brown, Chris

Subject: Conference Calls

Jody,

Thanks for your help in arranging the call yesterday between the Congressman and Gen. McMahon. The General mentioned daily calls that were going on, and asked if we were being notified, which I don't believe we are. We'd like to be included in these if possible, so we can try to stay ahead of this situation, and keep our constituents informed. Please advise.

Thanks,

Dan Engemann

Deputy District Director

Congressman Blaine Luetkemeyer (MO-09)

516 Jefferson Street

Washington, Missouri 63090

Phone: 636-239-2276

Fax: 636-239-0478

Mobile: 573-208-0507

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 4:33 PM
To: Farhat, Jody S NWD02
Subject: Three-week (UNCLASSIFIED)
Attachments: Document.pdf

Classification: UNCLASSIFIED
Caveats: NONE

Jody,
I've attached the prelim 3-wk forecast. I'm sure it's tough to read. Due to the extra inflow we had to move all increases to be quicker and higher. For example, we had to increase Garrison to 110 instead of 105. Of course, this pushes all the way downstream. Do you want it posted like this?
[REDACTED]

-----Original Message-----

From: device@nwo.ds.usace.army.mil [<mailto:device@nwo.ds.usace.army.mil>]
Sent: Friday, May 27, 2011 4:28 PM
To: Swenson, Michael A NWD02
Subject:

This document was digitally sent to you using an HP Digital Sending device.

Classification: UNCLASSIFIED
Caveats: NONE

[illegible]

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 4:18 PM
To: Farhat, Jody S NWD02
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO
Subject: Call tomorrow

Importance: High

Jody,

Recommend that you be prepared to address the question regarding why there was not Tribal Consultations conducted before making decisions.....Joel

Message sent via my BlackBerry Wireless Device

NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 3:35 PM
To: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; Farhat, Jody S NWD02
Subject: Missouri River Levees

Just a head ups that there is a good chance that we will overtop federal levees along the Missouri River downstream of the Platte River by mid-June.

A preliminary analysis is as follows:

If the flows from the tributaries remain at the levels they are today, the peak discharge at Nebraska City will be near the 1993 peak of 196,000 cfs once Gavins Point release reaches the 110,000 cfs target. During 1993, the following levees overtopped: L550, L536, L575, L562, R548, L561 and R520.

If the flows from the tributaries recede to one-half their current levels, the flows at Nebraska City will be near the peak levels of last year 168,000 cfs. It is not likely that the tributary inflows will recede to one-half their current levels. Most of the tributary flow downstream of Gavins is coming from the James, Big Sioux, Little Sioux and Platte which will remain relatively high over the next month event without more rain. During 2010 water reached the crown of L550 but did not overtop except for wave overwash.

If additional heavy rain occurs downstream of Gavins Point, the flows at Nebraska City could exceed the 1993 peak flows.

[REDACTED]
Chief, Hydrology Section
Omaha District
US Army Corps of Engineers
1616 Capitol Ave
Omaha, Nebraska 68102
[REDACTED]

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 3:22 PM
To: DLL-CENWO-OD OPM
Cc: Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: Restrictions on Spillway Gate Overtopping (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All:

If you are not already aware, please note Wayne Boeck's email below. Pass along to others of your staff who may have a need.

Thanks,

[REDACTED]
-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 2:23 PM
To: [REDACTED] NWO
Cc: [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO
Subject: RE: High Water on Spillway Gates (UNCLASSIFIED)

[REDACTED]
There are restrictions on overtopping and wave heights on the tainter and vertical lift gates. The tainter and vertical gates should be raised as water rises to prevent overtopping. Once water starts to overtop, raising a gate would cause unacceptable levels of risk of overstressing the gates and lifting mechanisms. Raising the gates with small waves splashing over top is acceptable if average water depth is not above top of gate.

The Dam Safety Study dated back in 1991 analyzed the tainter gates for various loading conditions and concluded that overtopping causes too much risk and is not acceptable. A Preliminary Spillway Overtopping Study for Fort Peck vertical lift gates was performed in 1997 and recommends against allowing overtopping.

[REDACTED]
Chief, Structural/Interiors Section
[REDACTED]

ENWO-ED-DF

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 10:50 AM

To: [REDACTED] NWO
Cc: [REDACTED] NWO; Schenk, Kathryn M NWO
Subject: High Water on Spillway Gates (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

As you are aware, we are experiencing high pools at all the mainstems. Attached is the most current information. Please double check and let us know of any spillway gate issues, concerns or restrictions that you might be aware of, in case of overtopping or due to wave action.

Thanks,

[REDACTED]
US Army Corps of Engineers - Omaha District Operations Division
1616 Capitol Ave, Suite 9000
Omaha, NE 68102

[REDACTED] - office
[REDACTED] - cell
[REDACTED] - fax
[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Tipton, Robert A Col NWD
Sent: Friday, May 27, 2011 3:03 PM
To: Anderson, G Witt NWD; [REDACTED] NWD
Cc: Farhat, Jody S NWD02; [REDACTED] NWD
Subject: FW: NWD Inundation Analysis for POTUS (UNCLASSIFIED)
Attachments: Morganza.pptx

Team,

Just so you are aware - POTUS is now very interested in the flooding on the upper Missouri...NWO is working this hot tasker to produce the graphics required below.

We may have a lot more "feeding of the beast" on this...and this may be sooner rather than later....

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: Tipton, Robert A Col NWD
Sent: Friday, May 27, 2011 12:46 PM
To: Jordano, James J LTC NWO
Cc: [REDACTED] NWD; Ruch, Robert J COL NWO; McMahon, John R BG NWD
Subject: HOT: NWD Inundation Analysis for POTUS (UNCLASSIFIED)

Jim,

Calling you in a few minutes on this. We have a hot tasker coming your way to produce inundation charts that are formatted exactly like the attached for Bismarck and Pierre. These are necessary as they will be provided to POTUS tomorrow by HQ.

The key difference to what you already have produced...is to show the depths of the flooding of the impacted areas by different colors so you can get a sense of the impact in terms of depth.

I believe we should also provide an accompanying product that overlays the proposed mitigation structures we are designing to emplace (if we have those for both locations yet).

No need to emphasize the importance of this tasker. While we have until 0700 EST tomorrow, I think we should shoot to try and complete these today.

RT

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 12:36 PM
To: Tipton, Robert A Col NWD
Cc: [REDACTED] NWD
Subject: FW: NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir,

FYI. Just got this

-----Original Message-----

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 12:14 PM
To: [REDACTED] NWD
Cc: [REDACTED] HQ02
Subject: NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED],

Attached is a document MVD produced for the Morganza Floodway inundation 5-foot resolution. Has been used by the White House (on their website), State of LA, MVD, and others to tell the story. This is what Ms. Kd-a was referring to when she asked for our products. Need to have this for various points along Missouri River tied to our potential releases (I assume 120,000 cfs). Bismarck and Pierre are good starts. Don't know if you are tracking this requirement, but this is what WH is looking for today or early tomorrow to put in POTUS hands. I'll call to explain if I can. Thanks.

[REDACTED]

[REDACTED]
Office of Homeland Security
Headquarters, U.S. Army Corps of Engineers
Work: [REDACTED]
Mobile: [REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Williamson, Eileen L NWO
Sent: Friday, May 27, 2011 2:57 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO; Farmer, Monique L NWO
Cc: Schenk, Kathryn M NWO; Oldham, Margaret NWO
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)
Attachments: Storyboard.pptx; Flood_Fight_Storyboard_27MAY.docx

Classification: UNCLASSIFIED
Caveats: NONE

Jody, [REDACTED]

I believe the Storyboard that Monique provided you yesterday was to give our SMEs a tool for communicating to the public.

The slides that came from John Leighow appeared to be a request for a product to communicate internally.

We have moved the storyboard information minus the talking points and deployment numbers to a Powerpoint Slide and Added the Map Per John's suggestion (noted in an email from Jody last night)

As noted below, Katie sent me a copy of the email which was provided to Monique by Jody. Monique and I worked together to try to address both requests with a single product.

However, we need to delineate what is for public consumption and what is for internal communication.
Both are attached here.

Regards,
Eileen

-----Original Message-----

From: Schenk, Kathryn M NWO
Sent: Friday, May 27, 2011 11:37 AM
To: Williamson, Eileen L NWO
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

-----Original Message-----

From: [REDACTED] NWD
Sent: Thursday, May 26, 2011 7:46 PM
To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD; [REDACTED] NWD; Cenwk-EOC NWK; CENWO-EOC NWO; CENWP-EOC NWP; CENWS-EOC NWS; CENWW-EOC NWW; [REDACTED] NWS; [REDACTED] NWK; [REDACTED] NWP; [REDACTED] NWD; Schenk, Kathryn M NWO; [REDACTED] NWW
Subject: FW: MVD Flow Slides as of 0800, 26 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Folks,

Reference discussions today on "storyboarding" what's happening within our flood basins, here's what MVD was providing to HQs to help "paint the picture." I believe we already have some good products on hand as well as the information available to tell the NWD flood fight story. This should be easy enough for daily updates. I'm available to discuss.

[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE



US Army Corps
of Engineers
Omaha District

Missouri River Mainstem Reservoir Bulletin (Updated 26 May 11 14:06)

Fort Peck	Garrison	Omaha	Big Bend	Fort Randall	Gavins Point
Midnight Elevation 2245.77 ft (msl) (Elev. Change +0.5 ft) Daily Avg. Inflow 72,000 cu ft/second (cfs) Current Release 10,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 2234 ft (msl) – 2246 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 2246 ft (msl) – 2250 ft (msl) Top of Spillway Gates 2250 ft (msl) Planned scheduled releases (subject to change) - Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July - Peak reservoir level within 1 foot of the top of spillway gates 24-hour forecast (Wolf Point) Friday: A chance of showers, then showers likely and possibly a thunderstorm after noon. Partly sunny, with a high near 56. Chance of precipitation is 60%. Friday Night: A 40 percent chance of showers. Cloudy, with a low around 45.	Midnight Elevation 1851.12 ft (msl) (Elev. Change +0.42 ft) Daily Avg. Inflow 148,000 cu ft/second (cfs) Current Release 73,400 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1837.5 ft (msl) – 1850 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1850 ft (msl) – 1854 ft (msl) Top of Spillway Gates 1854 ft (msl) River Stage (Bismarck) 15.53 ft (Flood stage – 16 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through approximately 9 June - Step up to 105 kcfs by mid to late June - Peak reservoir level at top of spillway gates 24-hour forecast (Bismarck) Friday: A chance of showers, with thunderstorms also possible after 1pm. Mostly cloudy, with a high near 61. Chance of precipitation is 50%. Friday Night: A slight chance of showers. Mostly cloudy, with a low around 45. Chance of precipitation is 20%.	Midnight Elevation 1617.90 ft (msl) (Elev. Change +0.04 ft) Daily Avg. Inflow 83,000 cu ft/second (cfs) Current Release 68,500 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1607.5 ft (msl) – 1620 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1617 ft (msl) – 1620 ft (msl) Top of Spillway Gates 1620 ft (msl) River Stage (Pierre) 13.29 ft (Flood stage – 15 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through 3 June - Step up to 100 kcfs by 6 June - Eventually reaching 110kcfs by late June – early July - Peak reservoir level within 1 foot of the top of the spillway gates 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1419.43 ft (msl) (Elev. Change -0.58 ft) Daily Avg. Inflow 65,000 cu ft/second (cfs) Current Release 80,700 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1420 ft (msl) – 1423 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1422 ft (msl) – 1423 ft (msl) Top of Spillway Gates 1423 ft (msl) Planned scheduled releases (subject to change) - Increase release to 85 kcfs on schedule provided previously - Step to 90 kcfs next week - Eventually reaching 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1356.75 ft (msl) (Elev. Change +0.77 ft) Daily Avg. Inflow 100,000 cu ft/second (cfs) Current Release 63,800 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1350 ft (msl) – 1375 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1365 ft (msl) – 1375 ft (msl) Top of Spillway Gates 1375 ft (msl) Planned scheduled releases (subject to change) - Increase to 82.5 kcfs on schedule provided previously - Releases gradually increased to 108 kcfs by late June – early July - Peak reservoir level 1364.5 24-hour forecast (Yankton) Friday: Occasional showers, with thunderstorms also possible after 4pm. High near 63. Chance of precipitation is 80%. New rainfall amounts between a quarter and half of an inch possible. Friday Night: A slight chance of showers and thunderstorms before 7pm, then a slight chance of showers and thunderstorms after 4am. Partly cloudy, with a low around 50. Chance of precipitation is 20%.	Midnight Elevation 1206.60 ft (msl) (Elev. Change +0.11 ft) Daily Avg. Inflow 61,000 cu ft/second (cfs) Current Release 60,000 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1204.5 ft (msl) – 1210 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1208 ft (msl) – 1210 ft (msl) Top of Spillway Gates 1210 ft (msl) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Releases gradually increased to 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Omaha) Friday: A 50 percent chance of showers and thunderstorms. Mostly cloudy, with a high near 83. New rainfall amounts between a tenth and quarter of an inch, except higher amounts possible in thunderstorms. Friday Night: Mostly cloudy, with a low around 66.

Source of information: <https://w3.nwd-mr.usace.army.mil/rcc>



Missouri River Flooding (Logistics) (Updated 26 May 11)

Personnel Deployed

- 1 (Billings)
- 12 (Bismarck)
- 5 (Williston)
- 7 (Pierre)
- 3 (Fort Randall)
- 4 (North Platte)

Equipment Deployed

- Sandbags (85,000)
- 10" Pumps (1)
- 12" Pumps (6)
- 16" Pumps (4)
- Expedient Flood Fight Products (Hesco – 19,380 LF)

Upcoming Meeting

- 27 May 11 at 1100 – Bus Tour organized by Senator Hoeven's office; General McMahon and Governor Dalrymple will be attending

Key Messages and Talking Points

ISSUE: Repeated rounds of heavy rain, coupled with record plains snowpack have pushed the Missouri River Reservoirs to very high levels that require aggressive releases out of the main stem reservoirs. A huge event during the past two weeks in eastern Montana, northern Wyoming and the Western Dakotas has brought as much rain into the area during the past month as what the regional normal sees in one year (300-600 percent of normal).

BACKGROUND: The Omaha District provides timely and effective technical advice and direct assistance before and during flood events with a goal of reducing flooding risks.

KEY/COMMAND MESSAGES

1. PUBLIC SAFETY

- Protecting lives is our number one priority, which is what this flood fight is all about – people's lives. Without the proper operation of the Missouri River main stem system, more lives and property will be at risk. We recognize that managing and communicating flood risk is a shared responsibility among federal, state, local, Tribal and private partners so people can make well informed public decisions about their safety.
- Our emergency response measures are designed to reduce flooding risks.
- We remind the public to remain vigilant of the safety risks associated with flooding events: high water on levees, flooded roads, high flowing streams and environmental issues such as well contamination.
- As the flood fight continues, residents who live and work near flood-impacted areas should remain vigilant and must be prepared to follow directions from their local emergency management officials.

2. TIMELY RESPONSE & PREPAREDNESS

- The Corps has a well-trained team of emergency response personnel, equipment and materials available and ready for mobilization if needed.
- When requested, the Corps provides technical assistance such as ice jam monitoring and scheduling water releases to accommodate snow melt and rain runoff.
- The Corps often provides advanced measures such as sandbags, rapid deployment floodwalls, Hesco bastions and temporary levees, to help reduce flooding risk.

3. ASSISTANCE TO COMMUNITIES AND TRIBAL GOVERNMENTS

- Under the authority of Public Law 84-99 and the Flood Control and Coastal Emergencies appropriations, Corps emergency management personnel collaborate with local, county, state, federal and tribal officials to ensure coordinated efforts in flood risk reduction and emergency response activities.
- We are doing everything we can to protect people and their property, which means making difficult choices and decisions.
- In coordination with Tribal governments and States, the Corps deploys flood fighting materials and supplies (sandbags, pumps, and expedient flood fight products), pre-positions flood flight supplies and equipment, and deploys flood engineers to provide technical assistance.
- In 2010, the operations of Corps Flood Damage Reduction projects prevented \$23.1 billion in flood-related damages. A 10-year average of annual damages prevented is \$25.2 billion.

- When disasters occur, it is not just a local Corps district or office that responds. Personnel and other resources are mobilized across the country to carry out our response missions.
- In any disaster, our top priorities are:
 - Support immediate emergency response priorities;
 - Sustain lives with critical commodities, temporary emergency power and other needs; and,
 - Initiate recovery efforts by assessing and restoring critical infrastructure.

4. EFFECTIVE COMMUNICATION

- We are using all available communication tools to keep the public informed of our emergency response operations, including:
 - Internet <http://nwo.usace.army.mil/> - click the flooding link
 - OmahaUSACE on Facebook and Twitter
 - 24-hour hotline 888-835-5971 ext 2448

Missouri River Basin

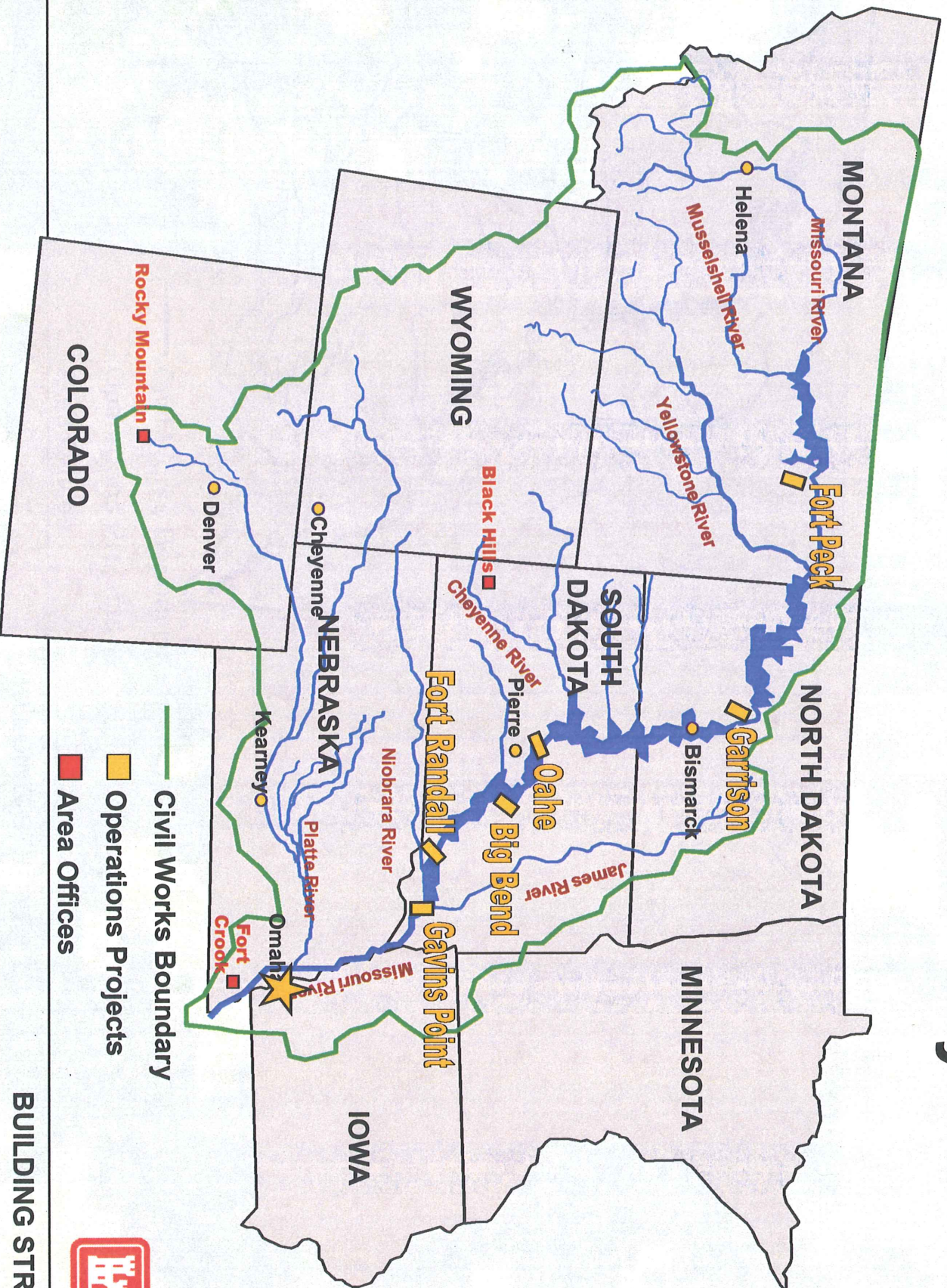
- We will be increasing releases to record levels, well above those previously announced at all six of our main stem dams.
- Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second. Previous high releases were 70,000 cfs in the fall of 1997
- We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.
- People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil and from local emergency management offices.
- During our flood response activities throughout the basin, we will provide regular updates directly to the public at OmahaUSACE on Facebook and Twitter.
- Flooded areas are expected to be inundated for several months.
- Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse," said General McMahon. "Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions." At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.
- Releases from the Missouri River basin will reach the Mississippi basin, but we are coming in about two weeks after the crest and expect the impact to be minimal.

- The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year
- Our forecasts are based on the best available information we have at this time, and consider the snowmelt period.
- These peak releases are necessary to manage the reservoir levels to avoid reaching the top of spillway gates.

Platte River Basin

- The Corps has provided technical assistance to the State of Wyoming on the Platte River basin, but has not received a request for advanced measures at this time.

Missouri River Main Stem System



BUILDING STRONG®

Missouri River Main Stem System

Fort Peck	Garrison	Oahe	Big Bend	Fort Randall	Gavins Point
Midnight Elevation 2245.77 ft (msl) (Elev. Change +0.5 ft) Daily Avg. Inflow 72,000 cu ft/second (cfs) Current Release 10,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 2234 ft (msl) – 2246 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 2246 ft (msl) – 2250 ft (msl) Top of Spillway Gates 2250 ft (msl) Planned scheduled releases (subject to change) Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July Peak reservoir level within 1 foot of the top of spillway gates 24-hour forecast (Wolf Point) Friday: A chance of showers, then showers likely and possibly a thunderstorm after noon. Partly sunny, with a high near 56. Chance of precipitation is 60%. Friday Night: A 40 percent chance of showers. Cloudy, with a low around 45.	Midnight Elevation 1851.12 ft (msl) (Elev. Change +0.42 ft) Daily Avg. Inflow 148,000 cu ft/second (cfs) Current Release 73,400 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1837.5 ft (msl) – 1850 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1850 ft (msl) – 1854 ft (msl) Top of Spillway Gates 1854 ft (msl) River Stage (Bismarck) 15.53 ft (Flood stage – 16 ft) Planned scheduled releases (subject to change) Increase to 85 kcfs on schedule provided previously Hold 85,000 cfs through approximately 9 June Step up to 105 kcfs by mid to late June Peak reservoir level at top of spillway gates 24-hour forecast (Bismarck) Friday: A chance of showers, with thunderstorms also possible after 1pm. Mostly cloudy, with a high near 61. Chance of precipitation is 50%. Friday Night: A slight chance of showers. Mostly cloudy, with a low around 45. Chance of precipitation is 20%.	Midnight Elevation 1617.90 ft (msl) (Elev. Change +0.04 ft) Daily Avg. Inflow 83,000 cu ft/second (cfs) Current Release 68,500 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1607.5 ft (msl) – 1620 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1617 ft (msl) – 1620 ft (msl) Top of Spillway Gates 1620 ft (msl) River Stage (Pierre) 13.29 ft (Flood stage – 15 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through 3 June - Step up to 100 kcfs by 6 June - Eventually reaching 110kcfs by late June – early July - Peak reservoir level within 1 foot of the top of the spillway gates 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1419.43 ft (msl) (Elev. Change -0.58 ft) Daily Avg. Inflow 65,000 cu ft/second (cfs) Current Release 80,700 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1420 ft (msl) – 1423 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1422 ft (msl) – 1423 ft (msl) Top of Spillway Gates 1423 ft (msl) Planned scheduled releases (subject to change) - Increase release to 85 kcfs on schedule provided previously - Step to 90 kcfs next week - Eventually reaching 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1356.75 ft (msl) (Elev. Change +0.77 ft) Daily Avg. Inflow 100,000 cu ft/second (cfs) Current Release 63,800 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1350 ft (msl) – 1375 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1365 ft (msl) – 1375 ft (msl) Top of Spillway Gates 1375 ft (msl) Planned scheduled releases (subject to change) - Increase to 82.5 kcfs on schedule provided previously - Releases gradually increased to 108 kcfs by late June – early July - Peak reservoir level 1364.5 24-hour forecast (Yankton) Friday: Occasional showers, with thunderstorms also possible after 4pm. High near 63. Chance of precipitation is 80%. New rainfall amounts between a quarter and half of an inch possible. Friday Night: A slight chance of showers and thunderstorms before 7pm, then a slight chance of showers and thunderstorms after 4am. Partly cloudy, with a low around 50. Chance of precipitation is 20%.	Midnight Elevation 1206.60 ft (msl) (Elev. Change +0.11 ft) Daily Avg. Inflow 61,000 cu ft/second (cfs) Current Release 60,000 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1204.5 ft (msl) – 1210 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1208 ft (msl) – 1210 ft (msl) Top of Spillway Gates 1210 ft (msl) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Releases gradually increased to 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Omaha) Friday: A 50 percent chance of showers and thunderstorms. Mostly cloudy, with a high near 83. New rainfall amounts between a tenth and quarter of an inch, except higher amounts possible in thunderstorms. Friday Night: Mostly cloudy, with a low around 66.



[REDACTED] NWO

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 2:54 PM
To: [REDACTED] NWO
Cc: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED] NWK
Subject: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)
Attachments: Morganza.pptx
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
ACTION NEEDED. Official tasking from HQUSACE for the Presidential Staff on development of a GIS product(s) for both Bismarck, Pierre and along the MO River tied to releases of 120Kcfs. Attached is an example of what the POTUS was given regarding the Morganza Floodway inundation situation. Your previous products were shared however more resolution / detail needed along the Missouri River (see comment below). Detail regarding depths noted on the example for 120Kcfs. Need to have this tonight so HQUSACE can get to Presidential Staff tomorrow.

My POC this action is MAJ Ray Love.

Thanks,
[REDACTED]

[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division
([REDACTED])

-----Original Message-----

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 12:14 PM
To: [REDACTED] NWD
Cc: [REDACTED] HQ02
Subject: NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
Attached is a document MVD produced for the Morganza Floodway inundation 5-foot resolution. Has been used by the White House (on their website), State of LA, MVD, and others to tell the story. This is what Ms. Kd-a was referring to when she asked for our products. Need to have this for various points along Missouri River tied to our potential releases (I assume 120,000

cfs). Bismarck and Pierre are good starts. Don't know if you are tracking this requirement, but this is what WH is looking for today or early tomorrow to put in POTUS hands. I'll call to explain if I can. Thanks.

[REDACTED]
[REDACTED]
Office of Homeland Security
Headquarters, U.S. Army Corps of Engineers
Work: ([REDACTED])
Mobile: ([REDACTED])

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 2:46 PM
To: Farhat, Jody S NWD02
Subject: RE: Voice Message from Unknown (4023501417) (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody,
I got your message regarding the North Dakota call. I will run the call if necessary.

On another issue, Joel is updating the 3-wk and it's indicating we may need to start up releases earlier at Fort Peck, which of course will impact Garrison. Inflows are not dropping due to the extra rain. What is the time-frame for the Bismarck work? Can we start up on releases earlier? Give me a call if you want to discuss.

[REDACTED]

From: Unity Messaging System - NWOUNITY1
Sent: Friday, May 27, 2011 1:28 PM
To: [REDACTED] NWD02
Subject: Voice Message from Unknown (4023501417)

<< File: VoiceMessage >>

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: Schenk, Kathryn M NWO
Sent: Friday, May 27, 2011 2:44 PM
To: Farhat, Jody S NWD02
Subject: FW: High Water on Spillway Gates (UNCLASSIFIED)

Jody,

Know you are probably aware of this but thought I'd pass it along with everything that is going on. Hope you are doing ok. It's getting very busy. Katie.

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 2:23 PM
To: [REDACTED] NWO
Cc: [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO
Subject: RE: High Water on Spillway Gates (UNCLASSIFIED)

Greg,

There are restrictions on overtopping and wave heights on the tainter and vertical lift gates. The tainter and vertical gates should be raised as water rises to prevent overtopping. Once water starts to overtop, raising a gate would cause unacceptable levels of risk of overstressing the gates and lifting mechanisms. Raising the gates with small waves splashing over top is acceptable if average water depth is not above top of gate.

The Dam Safety Study dated back in 1991 analyzed the tainter gates for various loading conditions and concluded that overtopping causes too much risk and is not acceptable. A Preliminary Spillway Overtopping Study for Fort Peck vertical lift gates was performed in 1997 and recommends against allowing overtopping.

[REDACTED]
Chief, Structural/Interiors Section

[REDACTED]
CENWO-ED-DF

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 10:50 AM
To: [REDACTED] NWO
Cc: [REDACTED] NWO; Schenk, Kathryn M NWO
Subject: High Water on Spillway Gates (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

As you are aware, we are experiencing high pools at all the mainstems. Attached is the most current information. Please double check and let us know of any spillway gate issues, concerns or restrictions that you might be aware of, in case of overtopping or due to wave action.

Thanks,

[REDACTED]
US Army Corps of Engineers - Omaha District Operations Division
1616 Capitol Ave, Suite 9000
Omaha, NE 68102

[REDACTED] - office
[REDACTED] - cell
[REDACTED] - fax
[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 2:14 PM
To: Farhat, Jody S NWD02
Subject: Sherriff - Burt County (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Good Afternoon Ms. Jody,

I hope your day is going better. I received a call from Sherriff Pickell (pronounced Pickow)(402-870-1743) and he stated he talked with you before regarding the Missouri River and would like some new information about when the River will crest, he is getting conflicting stories and just wanted to clarify when it will crest.

I spoke with Mike and he had me give the Sherriff Maggie Oldham's number. I just wanted you to be aware of the phone call. Try to have a safe weekend.

[REDACTED]
Classification: UNCLASSIFIED
Caveats: NONE

From: inquisitivo@mac.com
Sent: Friday, May 27, 2011 1:50 PM
To: mike.bailey@capjournal.com; heather.mangan@capjournal.com
Cc: Farhat, Jody S NWD02
Subject: amendment to oahe flood letter from london- inclusion of address and cc confirmation of Jody Farhat, Chief of the Corps' Missouri River Basin Water Management Division in Omaha.

dear capital journal editor

could you kind add the following cc to my letter to the editor? that i just submitted?

i just got the address i needed, to make my letter complete and i copy Jody Farhat, Chief of the Corps' Missouri River Basin Water Management Division in Omaha.

jody.s.farhat@usace.army.mil

in this my second amended letter may 27th 19:48 greenwich mean time

so my letter should be published as following with the cc added... thank you

A letter to the editor
For your consideration

For newspaper publication, Monday edition and website publication- immediate.

Thank you for all your excellent updating, reporting, video links and twitter feeds thus far.

Sincerely

Lynne Trautner

Across the Wide, and Getting Wider, Missouri

I am watching this tragedy unfold from London. I have read every available news article and have seen every published video and TV report on the situation including the mayors/ governors press conference, as well as doing my own independent research.

I support my hometown and the communities from afar.

I would like to pose the obvious question- Has the Corp of Engineers sacrificed our beautiful towns and why?

Floods are occurring all over the USA- most are the result of natural unchecked water levels, we live below the Oahe Dam, a manmade deterrent to flooding. Now we are faced with a disaster of mainly MAN MADE CAUSES. It is unbelievable.

Regardless of their reasons of rainfall and snowmelt- could the Corp have made a massive miscalculation?- Inevitably, will they continue to change the parameters of the

calculations. The snowfall?-everyone knew it was there and massive- could water levels have been lowered throughout the winter to make an allocation for it-The Corp has been aware of this since January. Check government website USGS Real-Time Water Data for USGS 06440000 MISSOURI R AT PIERRE,SD

<http://waterdata.usgs.gov/sd/nwis/uv?cb_all_00065=on&cb_00065=on&format=gif_stats&period=120&site_no=06440000>

(http://waterdata.usgs.gov/sd/nwis/uv?cb_all_00065=on&cb_00065=on&format=gif_stats&period=120&site_no=06440000)

which shows that they did not significantly increase water release in advance during the winter months? Why would they wait until May 6th to start running water out?

Trying to shift planning blame to the rains just is not good enough, although obviously a contributing factor. The fact that there was less than a weeks notice given to this impending disaster- is ridiculous- they must have seen it coming? The reservoirs don't fill up overnight?

It all sounds perilously close to the limit already and does the Thursday May 26th announcement of the increase in water discharge volumes indicate that the engineering and planning has not been as proactive as possible?

I suspect there is much lower Mississippi politics involved, and Pierre and Ft Pierre are again experiencing the result, as in past summers of extremely low water and in 1997.

Natural floods have a period of intense water water flow and levels rise accordingly, but the raging torrent subsides and then the waters recede.. Thus far, i can find no evidence of a river than ran at full or very swift flow peak flood levels for 2 1/2 months. What the communities are looking at is a fiercely cold, dangerously swift, eroding current running down the river for an undetermined length of time.

Will simple sandbagging stand up to such continuous currents? Where is the forecast on this very important factor? Think about

100,000 cfs, or speculatively 110,000cfs to 120,000cfs? What will be the speed of the current at that rate? How strong will be when it reaches the homes around Echo Point and then the entire riverside communities of Pierre and Fort Pierre?

Will the speed and intensity of this current be diminished by the time it reaches the causeway? Will all existing structures survive?

We all grew up on the river and we know how powerful the current can be at very low discharge levels from the power house alone.

Is this flooding really to be considered "an act of God" invalidating insurances claims or is this "an error of man"

I write for all of you who share my questions but are using all their maximum energy and are to busy sandbagging, moving, helping. planning, assisting, worrying, crying, comforting.

I/we would welcome a response from the Corp of Engineers, who instead of smoke screening with "unexpected rainfall" explanation, should admit they took a calculated risk by maintaining high water levels throughout the winter, despite the certain and well documented excessively heavy snowfalls in the mountains, with disastrous consequences, the impact, far reaching, and not yet revealed.

River mismanagement? Nothing will stop the water, but questioning minds, and owners of sodden, sewage soaked homes and businesses will be looking for some sort of rationalisation to it all.

It certainly will be a "memorial" day weekend, but a very bad and sad one for 2011 "across the wide missouri".

Lynne Trautner
London, England
May 27, 2011

cc: Jody Farhat, Chief of the Corps' Missouri River Basin Water Management Division in Omaha.
jody.s.farhat@usace.army.mil

NWO

From: Farmer, Monique L NWO
Sent: Friday, May 27, 2011 1:50 PM
To: DLL-CENWO-EOC CMT-ALL
Cc: CENWD-EOC NWD; [REDACTED] NWO; [REDACTED] HQ02; [REDACTED]
[REDACTED] NWO; Johnston, Paul T HQ@ NWO
Subject: BB Friendly Version (Story Board and Talking Points) (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Missouri River Main stem Reservoir Bulletin/Story Board (Updated 27 May 8:08)

Fort Peck

Midnight Elevation

☐ 2246.3 ft (msl)
☐ (Elev. Change +0.6 ft)

Daily Avg. Inflow

☐ 71,000 cu ft/second (cfs)

Current Release

☐ 10,200 cu ft/second (cfs)

Annual Flood Ctrl & Multi-Use Zone (Elevation)

☐ 2234 ft (msl) - 2246 ft (msl)

Exclusive Flood Ctrl Zone (Elevation)

☐ 2246 ft (msl) - 2250 ft (msl)

Top of Spillway Gates

☐ 2250 ft (msl)

Planned scheduled releases (subject to change)

☐ Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July
☐ Peak reservoir level within 1 foot of the top of spillway gates

24-hour forecast (Glasgow)

Today: Showers likely and possibly a thunderstorm after noon. Mostly cloudy, with a high near 55. Chance of precipitation is 60%.

Saturday: Showers likely and possibly a thunderstorm. Mostly cloudy, with a high near 57. Chance of precipitation is 70%.

Garrison

Midnight Elevation

☐ 1851.6 ft (msl)
☐ (Elev. Change +0.5 ft)

Daily Avg. Inflow

☐ 167,000 cu ft/second (cfs)

Current Release

☐ 75,100 cu ft/second (cfs)

Annual Flood Ctrl & Multi-Use Zone (Elevation)

☐ 1837.5 ft (msl) - 1850 ft (msl)

Exclusive Flood Ctrl Zone (Elevation)

☐ 1850 ft (msl) - 1854 ft (msl)

Top of Spillway Gates

② 1854 ft (msl)

River Stage (Bismarck)

② 15.8 ft (Flood stage - 16 ft)

② 24-hr change (+0.2 ft)

Planned scheduled releases (subject to change)

② Increase to 85 kcfs on schedule provided previously

② Hold 85,000 cfs through approximately 9 June

② Step up to 105 kcfs by mid to late June

② Peak reservoir level at top of spillway gates

24-hour forecast (Bismarck)

Today: A 40% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 63.

Saturday: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 60.

24-hour forecast (Riverdale)

Today: A 50% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 61.

Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 59.

24-hour forecast (Washburn)

Today: A 50% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 61.

Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 59.

24-hour forecast (Mandan)

Today: A 40% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 64.

Saturday: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 60.

24-hour forecast (Hazen)

Today: A 50% chance of showers and thunderstorms after noon. Partly sunny, with a high near 62.

Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 61.

Oahe

Midnight Elevation

② 1617.9 ft (msl)

② (Elev. Change +0.00 ft)

Daily Avg. Inflow

② 76,000 cu ft/second (cfs)

Current Release

② 73,100 cu ft/second (cfs)

Annual Flood Ctrl & Multi-Use Zone (Elevation)

② 1607.5 ft (msl) - 1620 ft (msl)

Exclusive Flood Ctrl Zone (Elevation)

② 1617 ft (msl) - 1620 ft (msl)

Top of Spillway Gates

② 1620 ft (msl)

River Stage (Pierre)

② 13.9 ft (Flood stage - 15 ft)

② 24-hr change (+0.6 ft)

Planned scheduled releases (subject to change)

② Increase to 85 kcfs on schedule provided previously

② Hold 85,000 cfs through 3 June

② Step up to 100 kcfs by 6 June

② Eventually reaching 110kcfs by late June - early July

② Peak reservoir level within 1 foot of the top of the spillway gates

24-hour forecast (Pierre)

Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64.

Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.

24-hour forecast (Ft. Pierre)

Today: Scattered showers and thunderstorms, mainly after 1pm. Mostly cloudy, with a high near 64. Chance of precipitation is 40%.

Saturday: A slight chance of showers, then a chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 67. Chance of precipitation is 30%.

24-hour forecast (Lower Brule)

Today: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 64.

Saturday: A slight chance of showers, then a chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 68. Chance of precipitation is 30%.

Big Bend

Midnight Elevation

② 1419.2 ft (msl)

② (Elev. Change -0.2 ft)

Daily Avg. Inflow

② 67,000 cu ft/second (cfs)

Current Release

② 72,200 cu ft/second (cfs)

Annual Flood Ctrl & Multi-Use Zone (Elevation)

② 1420 ft (msl) - 1423 ft (msl)

Exclusive Flood Ctrl Zone (Elevation)

② 1422 ft (msl) - 1423 ft (msl)

Top of Spillway Gates

② 1423 ft (msl)

Planned scheduled releases (subject to change)

- ☐ Increase release to 85 kcfs on schedule provided previously
- ☐ Step to 90 kcfs next week
- ☐ Eventually reaching 110 kcfs by late June - early July
- ☐ Normal operating level for reservoir (no flood control storage)

24-hour forecast (Pierre)

Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64.

Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.

Fort Randall

Midnight Elevation

- ☐ 1357.2 ft (msl)
- ☐ (Elev. Change +0.4 ft)

Daily Avg. Inflow

- ☐ 86,000 cu ft/second (cfs)

Current Release

- ☐ 66,400 cu ft/second (cfs)

Annual Flood Ctrl & Multi-Use Zone (Elevation)

- ☐ 1350 ft (msl) - 1375 ft (msl)

Exclusive Flood Ctrl Zone (Elevation)

- ☐ 1365 ft (msl) - 1375 ft (msl)

Top of Spillway Gates

- ☐ 1375 ft (msl)

Planned scheduled releases (subject to change)

- ☐ Increase to 82.5 kcfs on schedule provided previously
- ☐ Releases gradually increased to 108 kcfs by late June - early July
- ☐ Peak reservoir level 1364.5

24-hour forecast (Chamberlain)

Today: Scattered showers, with thunderstorms also possible after 1pm. Mostly cloudy, with a high near 65. Chance of precipitation is 30%.

Saturday: A slight chance of showers and thunderstorms. Mostly sunny, with a high near 69. Chance of precipitation is 20%.

Personnel Deployed

- ☐ 1 (Billings)
- ☐ 12 (Bismarck)
- ☐ 5 (Williston)
- ☐ 7 (Pierre)
- ☐ 3 (Fort Randall)
- ☐ 4 (North Platte)

Equipment Deployed

- ☐ Sandbags (85,000)
- ☐ 10" Pumps (1)
- ☐ 12" Pumps (6)
- ☐ 16" Pumps (4)
- ☐ Expedient Flood Fight Products (Hesco - 19,380 LF)

Meetings

- ☐ Daily (Indefinitely) - Press Conference (involving federal, state and local officials and the Corps) at the EOC in Pierre, S.D. Eric Stasch is representing the Corps
- ☐ 27 May 11 at 1100 - Bus Tour organized by Senator Hoeven's office; General McMahon and Governor Dalmryple will be attending

Key Messages and Talking Points

ISSUE: Repeated rounds of heavy rain, coupled with record plains snowpack have pushed the Missouri River Reservoirs to very high levels that require aggressive releases out of the main stem reservoirs. A huge event during the past two weeks in eastern Montana, northern Wyoming and the Western Dakotas has brought as much rain into the area during the past month as what the region normally sees in one year (300-600 percent of normal).

BACKGROUND: The Omaha District provides timely and effective technical advice and direct assistance before and during flood events with a goal of reducing flooding risks.

KEY/COMMAND MESSAGES

1. PUBLIC SAFETY

- Protecting lives is our number one priority, which is what this flood fight is all about - people's lives. Without the proper operation of the Missouri River main stem system, more lives and property will be at risk. We recognize that managing and communicating flood risk is a shared responsibility among federal, state, local, Tribal and private partners so people can make well informed public decisions about their safety.
- Our emergency response measures are designed to reduce flooding risks.
- We remind the public to remain vigilant of the safety risks associated with flooding events: high water on levees, flooded roads, high flowing streams and environmental issues such as well contamination.
- As the flood fight continues, residents who live and work near flood-impacted areas should remain vigilant and must be prepared to follow directions from their local emergency management officials.

2. TIMELY RESPONSE & PREPAREDNESS

- The Corps has a well-trained team of emergency response personnel, equipment and materials available and ready for mobilization if needed.
- When requested, the Corps provides technical assistance such as ice jam monitoring and scheduling water releases to accommodate snow melt and rain runoff.
- The Corps often provides advanced measures such as sandbags, rapid deployment floodwalls, Hesco bastions and temporary levees, to help reduce flooding risk.

3. ASSISTANCE TO COMMUNITIES AND TRIBAL GOVERNMENTS

- Under the authority of Public Law 84-99 and the Flood Control and Coastal Emergencies appropriations, Corps emergency management personnel collaborate with local, county, state, federal and tribal officials to ensure coordinated efforts in flood risk reduction and emergency response activities.
- We are doing everything we can to protect people and their property, which means making difficult choices and decisions.
- In coordination with Tribal governments and States, the Corps deploys flood fighting materials and supplies (sandbags, pumps, and expedient flood fight products), pre-positions flood flight supplies and equipment, and deploys flood engineers to provide technical assistance.

- In 2010, the operations of Corps Flood Damage Reduction projects prevented \$23.1 billion in flood-related damages. A 10-year average of annual damages prevented is \$25.2 billion.
- When disasters occur, it is not just a local Corps district or office that responds. Personnel and other resources are mobilized across the country to carry out our response missions.
- In any disaster, our top priorities are:
 - o Support immediate emergency response priorities;
 - o Sustain lives with critical commodities, temporary emergency power and other needs; and,
 - o Initiate recovery efforts by assessing and restoring critical infrastructure.
- 4. EFFECTIVE COMMUNICATION
 - We are using all available communication tools to keep the public informed of our emergency response operations, including:
 - o Internet <http://nwo.usace.army.mil/> - click the flooding link
 - o OmahaUSACE on Facebook and Twitter
 - o 24-hour hotline 888-835-5971 ext 2448

Missouri River Basin

- We will be increasing releases to record levels, well above those previously announced at all six of our main stem dams.
- Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second. Previous high releases were 70,000 cfs in the fall of 1997.
- We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.
- People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil and from local emergency management offices.
- During our flood response activities throughout the basin, we will provide regular updates directly to the public at OmahaUSACE on Facebook and Twitter.
- Flooded areas are expected to be inundated for several months. Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse.
- Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions.
- At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.
- Releases from the Missouri River basin will reach the Mississippi basin, but we are coming in about two weeks after the crest and expect the impact to be minimal.
- The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year.
- Our forecasts are based on the best available information we have at this time, and consider the snowmelt period.

- These peak releases are necessary to manage the reservoir levels to avoid reaching the top of spillway gates.

Platte River Basin

- The Corps has provided technical assistance to the State of Wyoming on the Platte River basin, but has not received a request for advanced measures at this time.

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 1:35 PM
To: [REDACTED] IWR-at-HEC; Farhat, Jody S NWD02
Cc: [REDACTED] HQ02; [REDACTED] HQ; [REDACTED] HQ
Subject: Question about flood insurance and Garrison Dam (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]/Jody --- question for you.

SEN Hoeven's office called me and they have been in contact with FEMA about flood insurance in the Bismarck, ND area. Apparently FEMA has told them that in order for flood insurance to be applied in this flood, a policy must have been in effect "at the time when flows went above average in Garrison."

They are asking me 1) when was that and 2) how is this measured?

Thanks! [REDACTED]

[REDACTED]
Chief, Future Directions Branch/Civil Works

[REDACTED] (desk)

[REDACTED] (cell)

[REDACTED] (fax)

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Tipton, Robert A Col NWD
Sent: Friday, May 27, 2011 1:27 PM
To: Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD
Subject: RE: WM POC

Jody -- Fully understand and the missed call this morning was not a big deal, so no sweat. My bigger concern was that we couldn't get anyone to pick up when we called WM this morning...I realize there are plenty of reasons for this - but more concerned that I couldn't get a hold of WM rep than the missed phone call.

Please understand that you and your team are doing an AWESOME job and we fully realize that you are swamped with work right now.

RT

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 10:52 AM
To: [REDACTED] NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Anderson, G Witt NWD
Cc: Farhat, Jody S NWD02
Subject: Fw: WM POC

Meeting requests rather than emails should be used for these briefings. I didn't even have this on my calendar and I have over 250 unread emails from yesterday alone. My staff doesn't sit in on the CMT briefs - only me - and they don't have any information on the battle rhythm. They've got a ton of work to do so I try to manage many of these briefings which now consistently occupy my day from 1100 to 1600. We'll try to do better, but this is what you buy with a staff of 13, with one vacancy and only 8 of are WM professionals.
Jody

----- Original Message -----

From: Farhat, Jody S NWD02
To: Tipton, Robert A Col NWD; [REDACTED] NWD02; [REDACTED] NWD02; Anderson, G Witt NWD; [REDACTED] NWD
Sent: Fri May 27 10:20:27 2011
Subject: Re: WM POC

Sir - sorry about that, I neglected to tell mike and kevin about the call. Please add them to the meeting notice distribution to avoid this happening again.

I'm in Bismarck ND with the CG today and in Pierre SD tomorrow. I'll make sure on of them is on the call

Jody

----- Original Message -----

From: Tipton, Robert A Col NWD

To: Farhat, Jody S NWD02

Cc: Anderson, G Witt NWD; [REDACTED] NWD02; [REDACTED] NWD

Sent: Fri May 27 10:00:15 2011

Subject: WM POC

Jody,

Realize you are on the road with the CG. We went ahead and did a quick synch call this morning at the stated time (1100 local) and tried to contact WM there in Omaha. We could not make contact with anyone - so am a little concerned on that.

Also - need to discuss the product we need to produce for HQ -- I know you have been working with folks there, but I wanted to ensure we develop the right product that MG Temple is looking for. When you get a chance (and again, I know you are very committed right now), please give me a call.

RT

Robert A. Tipton, P.E.

COL, EN

Deputy Commander

Northwestern Division

U.S. Army Corps of Engineers

503-808-3701

NWO

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 1:20 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD; Tipton, Robert A Col NWD; Anderson, G Witt NWD
Subject: RE: WM POC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

OK, Jody,

You all should be good to go now. I sent the meeting request out in Outlook again and made sure it went to the entire CMT distribution list. You should show it recurring every weekday at 1100 your time.

[REDACTED]
[REDACTED]
Executive Assistant
Northwestern Division
U.S. Army Corps of Engineers

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 10:52 AM
To: [REDACTED] NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Anderson, G Witt NWD
Cc: Farhat, Jody S NWD02
Subject: Fw: WM POC

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From: Farhat, Jody S NWD02
To: Tipton, Robert A Col NWD; [REDACTED] NWD02; [REDACTED] NWD02; Anderson, G Witt NWD; [REDACTED] NWD
Sent: Fri May 27 10:20:27 2011
Subject: Re: WM POC

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From: Tipton, Robert A Col NWD

To: Farhat, Jody S NWD02

Cc: Anderson, G Witt NWD; [REDACTED] NWD02; [REDACTED] NWD

Sent: Fri May 27 10:00:15 2011

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Robert A. Tipton, P.E.

COL, EN

Deputy Commander

Northwestern Division

U.S. Army Corps of Engineers

503-808-3701

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 1:09 PM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD
Subject: RE: WM POC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

OK, you should see the series shortly, Jody! I can't imagine how you didn't end up on the invite! Sorry about that!

[REDACTED]
[REDACTED]
Executive Assistant
Northwestern Division
U.S. Army Corps of Engineers
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 11:05 AM
To: [REDACTED] NWD
Subject: Re: WM POC (UNCLASSIFIED)

It's not on my calendar. I had the tues and wed meetings and the thurs mtg with revised time, but I've got nothing after that. Please resend and include mike and kevin.
Jody

----- Original Message -----

From: [REDACTED] NWD
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD
Sent: Fri May 27 10:59:55 2011
Subject: RE: WM POC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

You should have had this on your calendar. It was set up as a recurring call through Outlook, every weekday at 1100 Central Time, and you are on the distribution list and were invited. Maybe I need to resend the meeting invitation to everyone? Let me know.

[REDACTED]
[REDACTED]
Executive Assistant
Northwestern Division
U.S. Army Corps of Engineers

-----Original Message-----

From: Farhat, Jody S NWD02

Sent: Friday, May 27, 2011 10:52 AM

To: [REDACTED] NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Anderson, G Witt NWD

Cc: Farhat, Jody S NWD02

Subject: Fw: WM POC

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To: Tipton, Robert A Col NWD; [REDACTED] NWD02; [REDACTED] NWD02; Anderson, G Witt NWD; [REDACTED] NWD

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Subject: Re: WM POC

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Sent: Fri May 27 10:00:15 2011

Subject: WM POC

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RT

Robert A. Tipton, P.E.

COL, EN

Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 1:07 PM
To: Farhat, Jody S NWD02
Subject: RE: WM POC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Will do!! Thanks for the Heads Up!

[REDACTED]
[REDACTED]
Executive Assistant
Northwestern Division
U.S. Army Corps of Engineers

-----Original Message-----
From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 11:05 AM
To: [REDACTED] NWD
Subject: Re: WM POC (UNCLASSIFIED)

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Jody

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To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD
Sent: Fri May 27 10:59:55 2011
Subject: RE: WM POC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

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[REDACTED]
[REDACTED]
Executive Assistant
Northwestern Division
U.S. Army Corps of Engineers

-----Original Message-----

From: Farhat, Jody S NWD02

Sent: Friday, May 27, 2011 10:52 AM

To: [REDACTED] NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Anderson, G Witt NWD

Cc: Farhat, Jody S NWD02

Subject: Fw: WM POC

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To: Tipton, Robert A Col NWD; [REDACTED] NWD02; [REDACTED] NWD02; Anderson, G Witt NWD; [REDACTED] NWD

Sent: Fri May 27 10:20:27 2011

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----- Original Message -----

From: Tipton, Robert A Col NWD

To: Farhat, Jody S NWD02

Cc: Anderson, G Witt NWD; [REDACTED] NWD02; [REDACTED] NWD

Sent: Fri May 27 10:00:15 2011

Subject: WM POC

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RT

Robert A. Tipton, P.E.

COL, EN

Deputy Commander

Northwestern Division

U.S. Army Corps of Engineers

503-808-3701

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 12:59 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED] LRDOR; [REDACTED] SWD; [REDACTED] MVD; [REDACTED] AD; [REDACTED] NAD; [REDACTED] @ POD; [REDACTED] SPD; [REDACTED] NWD
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Issue of UOC updates from Water Managers (UNCLASSIFIED)
Attachments: MVR-MVS-MVK Reservoirs 26 May 2011.xls; Mississippi & Missouri Rivers Water Level Summary 26 May 2011.xls; Stages-- 26May11.pptx

Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Jody/all water managers,

I have been out of the office the past few days and stepped into the UOC here at HQ this morning and was immediately hit with a barrage of questions on both operations and flooding in the Missouri River basin. I also see an exchange of information in emails below.

This brings me to a conclusion that maybe we at HQ have not properly informed MSC's of our needs or expectations during flood events. I suspect we are fairly spoiled by LRD and MVD with their great responses dating back to the 2008 Miss R floods.

In general we have several needs at HQ. The UOC (USACE Operations Center) which is the "daily" equivalent of your EOC's monitors, tracks and "funds" all emergency or event based operations (and preparedness) for USACE across the world. They coordinate all activities or situational events with all our fellow federal agencies. HQ's Leadership are expected to know before their Leadership when something happens within a USACE operated or impacted system. This is not happening!

Bottom Line is - ""if you brief it to your General it needs to be sent to the UOC""

Logistics of who - H&H does not work in the UOC. We are on call for information, briefings and special situations. Therefore, please send daily updates to "UOC Internal" and include Jerry Webb, David Shepp, Gary House and John Hunter on the Cc so we can be situationally aware of what is going on in your region before we are hammered.

The UOC Internal goes to a large group of people that are permanent to the UOC. These people develop briefs everyday and send them out to both Leadership and other Federal agencies as necessary. They have a meteorologist and they brief weather and use our input for impacts.

We now have a new system where we bring people such as yourselves for "events" such as the Miss R flood. When you TDY to work an event you become the HQ H&H person responsible for determining what is going on everywhere for every event and why we are doing what we are doing or what are we going to do about it. Believe me, everyone up the chain and leadership in every agency asks this for every event.

What to send? I have attached a few examples of both daily and event oriented stuff.

Thanks

[REDACTED]

Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone [REDACTED]
Cell [REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Wednesday, May 25, 2011 8:50 AM
To: [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02;
[REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

A record pool is anticipated at Oahe, but not at Garrison or Fort Peck at this time.

-----Original Message-----

From: [REDACTED] HQ02
Sent: Wednesday, May 25, 2011 7:00 AM
To: Farhat, Jody S NWD02; [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02;
[REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Much appreciate that summary. For Garrison and Oahe record releases, is there record pools as well?

Thanks,

[REDACTED]
National Dam Safety Program Manager
US Army Corps of Engineers - HQ
[REDACTED] (office)
[REDACTED] (cell)
[REDACTED]@usace.army.mil

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Wednesday, May 25, 2011 7:30 AM
To: [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] - I wasn't aware of the requirement.

Here's a snapshot for this morning.

Fort Peck: 2245.3, up 0.6 feet since ydy; top of gates 2250; current release rate 10,000 cfs
Garrison: 1850.7, up 0.3 feet; top of gates 1854; current release rate 70,000 cfs (record release)

Oahe: 1617.9, up 0.2 feet; top of gates 1620; current release 65,000 cfs (record release) Big Bend - normal operations Fort Randall: 1356.0, up 0.5 feet; top of gates 1375; current release rate 59,000 cfs Gavins Point - normal operations; current release rate 60,000 cfs

Big bend and Gavins Point have very little flood control storage and are currently within the normal operating range. Releases from Garrison to Gavins Point will be increased to the 85,000 cfs range over the coming week to two weeks.

Jody

-----Original Message-----

From: [REDACTED] HQ02

Sent: Wednesday, May 25, 2011 3:41 AM

To: Farhat, Jody S NWD02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Importance: High

Classification: UNCLASSIFIED

Caveats: NONE

Hi Jody-you need to be sending HQ daily reservoir summaries when you're experiencing flooding. Please copy all of us on the cc line above. Also, we need them by 0830 EDT to have them in time to be of use at the 0900 UOC briefing.

The EM chain isn't sufficient, we need info via the H&H chain. Know that we're not picking on you--everyone is expected to keep us posted during flooding.

Thanks for your help with this.

-----Original Message-----

From: [REDACTED] HQ02

Sent: Tuesday, May 24, 2011 10:25 PM

To: [REDACTED] HQ02

Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Dave,

Looks like NWD is not reporting to the UOC or HQ.

[REDACTED]
Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone [REDACTED]
Cell [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 6:16 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

See note below.

[REDACTED]
[REDACTED]
Chief Engineering and Construction
HQ U.S. Army Corps of Engineers
Office: [REDACTED]
Cell: [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 10:19 AM
To: Grisoli, William T MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; Smith,
Thomas P COL HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

FYSA.....

[REDACTED]
[REDACTED]
Director Civil Works, USACE
(W) [REDACTED]
(Cell) [REDACTED]
[REDACTED]@us.army.mil

-----Original Message-----

From: [REDACTED] HQ
Sent: Tuesday, May 24, 2011 8:38 AM
To: [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

FYI

[REDACTED]
Deputy Chief (Civil Works)
Northwestern Division
Regional Integration Team (RIT)

U.S. Army Corps of Engineers
441 G Street, NW
3C93
Washington, D.C. 20314-1000

██████████ (voice)
██████████ (fax)
██████████ (mobile)

██████████@usace.army.mil

-----Original Message-----

From: U.S. Army Corps of Engineers [mailto:kevin.r.quinn@usace.army.mil]
Sent: Monday, May 23, 2011 6:29 PM
To: ██████████ NWK
Subject: Lots more water coming down the Missouri River - now!

<file:///C:/DOCUME~1/g6pa9krq/LOCALS~1/Temp/msohtmlclip1/01/clip_image001.jpg>

U.S. ARMY CORPS OF ENGINEERS
BUILDING STRONG®
NEWS RELEASE

For Immediate Release: May 23, 2011
Contact: Kevin R. Quinn 402-995-2419
kevin.r.quinn@usace.army.mil
Jody Farhat 402-996-3840
jody.s.farhat@usace.army.mil

Lots more water coming down the Missouri River - now!

Omaha, Neb. - Repeated rounds of heavy rain across Montana and the Dakotas, coupled with far above normal mountain snowpack, have pushed reservoirs to a level which calls for aggressive water releases from Missouri River mainstem dams, said Jody Farhat, Chief of the Corps' Missouri River Basin Water Management Division in Omaha.

"The upper Missouri River is seeing dramatic increases in flows, particularly after as much as eight inches of rain fell over the weekend in portions of eastern Montana and western North Dakota," Farhat said. "Unusually heavy precipitation, combined with late season heavy snowpack in parts of the Missouri Basin, means we will see near-record runoff in the Missouri basin."

Farhat thinks it is possible that Garrison Dam may be within a foot of the top of its spillway gates by this time next week. "We're beginning to make some major adjustments to water releases, starting with Fort Peck south to Gavins Point Dam and expect to do so for some time since the extended forecast is calling for more of the same."

Garrison Dam releases were increased to 60,000 cubic feet per second (cfs) today and will be stepped up until they reach 75,000 cfs on Wednesday. At the same time, releases from the upstream reservoir Fort Peck will be reduced from the current rate of 20,000 cfs to 10,000 cfs to help stem the rise of Garrison reservoir. Garrison reservoir is expected to reach 1853 feet by this weekend due to the high flow on the Yellowstone and Little Missouri Rivers. Fort Peck reservoir is also climbing rapidly due to weekend's rainfall and low elevation snowmelt. It is expected to rise 2 feet this week, reaching 2246 by the weekend.

Oahe Dam releases will transition from 60,000 cfs today to 70,000 cfs by mid-week. Farhat expects the Oahe reservoir to reach 1618 feet by the weekend and continue to slowly drift upward over the next few weeks, perhaps peaking in mid-June. The record pool at Oahe is 1618.7 feet, set in 1995 and repeated in 1996. The peak pool level in 1997 was 0.1 foot lower at 1618.6.

Fort Randall has some space to store water, but the river reach between there and Gavins Point is already at bankfull. Gavins Point releases were increased to 60,000 cfs this afternoon and will be slowly ramped up over the coming days, possibly reaching 75,000 cfs in June unless conditions improve. This will eventually necessitate a similar magnitude increase in Fort Randall's releases.

Travel time for water released from Garrison Dam to reach the Bismarck area is about 36 hours. River managers are expecting stages of approximately 16.5 to 17 feet in the Bismarck area when the river stabilizes. The Corps' Omaha District office has deployed technical teams to help prepare for flood fighting around Bismarck and to assess the flood potential in the Pierre area.

"As already seen in other parts of the nation, high water years always bring pain and suffering with them," said Farhat. "We are doing everything we can to protect people and their property and reduce the extent and impact of flood stages along the Missouri. The situation in the Missouri River basin is changing rapidly and planned releases are subject to change with little notice." Residents who live and work in flood-prone areas should remain vigilant and be prepared to follow recommendations from their local emergency management offices.

For more information, visit the Spring 2011 Flood Response site at www.nwo.usace.army.mil.

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<<http://us.vocuspr.com/Url.aspx?520028x486114x-457220>>

If you would rather not receive future communications from U.S. Army Corps of Engineers, let us know by clicking here. <<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x315969x3x1875270x24000x6&Email=Steven.A.Fischer%40usace.army.mil>>

U.S. Army Corps of Engineers, 1616 Capitol Ave., Omaha, NE 68102 United States

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

MVR Flood Pool Status										26 May 2011 0600 hours								
Lake	Flood Pool		Emergency Spillway Crest Elevation	Current					Inches of Runoff Remaining	2011 Crest				Inches of Runoff Remaining	Date	Record Crest		
	Bottom	Top		Elevation	% Flood	% Surcharge	Status	Release		Elevation	% Flood	% Surcharge	Elevation			Date		
Des Moines River Basin																		
Saylorville Lake	836.0	890.0	884.0-890.0*	851.67	20.0%		Rising	9,580	1.47	854.37	23.9%			1.40	7-May	892.03	11-Jul-1993	
Lake Red Rock	742.0	780.0		757.30	25.5%		Rising	12,400	1.64	757.88	26.6%			1.62	5-May	782.67	13-Jul-1993	
Iowa River Basin																		
Coralville Lake	683.0	712.0	712.0	683.73	3.8%		Rising	4,780	2.36	690.59	14.8%			2.09	3-May	717.02	15-Jun-2008	

*Note: Saylorville Lake has an inflatable pneumatic crest gate:
Crest Elevation at 884.0 with pneumatic gate deflated
Crest Elevation at 890.0 with pneumatic gate inflated

MVS Flood Pool Status										26 May 2011 0600 hours								
Lake	Flood Pool		Emergency Spillway Crest Elevation	Current					Inches of Runoff Remaining	2011 Crest				Inches of Runoff Remaining	Date	Record Crest		
	Bottom	Top		Elevation	% Flood	% Surcharge	Status	Release		Elevation	% Flood	% Surcharge	Elevation			Date		
Kaskaskia River Basin																		
Lake Shelbyville	599.7	626.5		605.58	15.2%		Rising	940	7.07	608.00	22.7%		6.44	8-May	620.29	29-Jul-1974		
Carlyle Lake	445.0	462.5		450.85	24.1%		Falling	10,000	3.63	458.25	67.3%		1.57	4-May	459.80	18-May-2002		
Big Muddy River Basin																		
Rend Lake*	405.0	410.0	410.0	409.52	89.0%		Rising	860	0.47	413.41	100.0%		0.00	28-Apr	413.83	19-May-1995		
*Note: Rend Lake Flood Control Pool is operated through the low flow conduits and the 31-foot wide, 405.0 elevation notch in the spillway. The outflow is unregulated and will vary from 30 to 1,030 cfs.																		
St. Francis River Basin																		
Wappapello	354.7	394.7	394.7	382.44	56.7%		Falling	10,000	3.62	400.04	100.0%		0.00	3-May	399.09	16-Apr-1945		
Salt River Basin																		
Mark Twain Lake	606.0	638.0		612.33	14.4%		Rising	50	6.16	611.45	12.2%		6.32	5-May	640.36	30-Jul-2008		

MVK Flood Pool Status										26 May 2011 0600 hours							
Lake	Flood Pool		Emergency Spillway Crest Elevation	Current					Inches of Runoff Remaining	2011 Crest				Record Crest			
	Bottom	Top		Current Elevation	% Flood	% Surcharge	Status	Release		Elevation	% Flood	% Surcharge	Inches of Runoff Remaining	Date	Elevation	Date	
Yazoo River Basin																	
Arkabutla	210.0	238.3	238.3	238.49	100.0%		Falling	1,100	0.00							244.10	30-Apr-1991
Sardis	236.0	281.4	281.4	268.16	54.8%		Falling	1,200	7.95							285.80	28-Apr-1973
Enid	230.0	268.0	268.0	252.54	42.3%		Steady	750	11.70							271.70	1-May-1991
Grenada	193.0	231.0	231.0	215.38	37.9%		Rising	300	11.05							237.30	29-May-1991
Ouachita River Basin																	
Blakely Mt.	578.0	592.0	592.0	586.91	61.4%		Rising	1,703	4.08	586.00	54.9%		4.80	9-May		590.10	5-Dec-1982
DeGray	408.0	423.0	423.0	413.83	36.0%		Steady	1,978	6.02	414.93	43.2%		5.36	4-May		420.50	5-Dec-1982
Narrows Dam	548.0	563.0	563.0	554.63	40.1%		Falling	2,123	6.08	559.00	70.3%		3.00	6-May		564.60	18-May-1968
Red River Basin																	
Bodcau	151.0	199.5	219.0	162.74	1.0%		Falling	625	10.13							200.27	5-Nov-2009
Caddo	168.5*	176.0	168.5	168.86	2.0%		Rising	820	1.75							182.60	5-May-1958
Wallace	142.0	158.0	158.0	141.71	0%		Falling	0	6.38							159.60	1999

* Top of Normal Pool

Mississippi River Water Levels Summary						26-May-11		0600 hours			
Station	Flood Pool			Current (0600)		Crest		Highest Stage (ft)	Previous Crest Date	Notes	
	Flat Pool	FS	Max (Record High)	Stage (ft)	Status	Stage (ft)	Date				
St. Paul		14.0	26.40	11.72	Rising	18.71	10-Apr	19.01	30-Mar	No Flooding	
Hastings L/D 2		15.0	25.90	12.89	Rising	17.76	13-Apr	17.42	31-Mar	No Flooding	
Red Wing L/D 3		680.5	687.77	676.29	Rising	681.70	14-Apr	680.67	1-Apr	No Flooding	
Lake City		16.0	22.18	11.78	Rising	17.01	14-Apr			No Flooding	
Wabasha		12.0	20.05	10.63	Rising	14.89	14-Apr	13.09	2-Apr	No Flooding	
Alma L/D 4		16.0	19.78	8.78	Rising	14.75	14-Apr			No Flooding	
Minnesota City L/D 5		660.0	667.85	655.55	Rising	681.82	15-Apr			No Flooding	
Winona L/D 5a		655.0	663.35	650.73	Rising	658.07	15-Apr	655.34	2-Apr	No Flooding	
Winona		13.0	20.77	9.34	Rising	16.58	15-Apr	13.98	2-Apr	No Flooding	
Trempealeau L/D 6		647.0	653.02	643.63	Rising	649.27	15-Apr	647.32	2-Apr	No Flooding	
La Crescent L/D 7		641.0	647.48	636.46	Rising	642.87	15-Apr			No Flooding	
La Crosse		12.0	17.90	8.72	Rising	13.76	15-Apr			No Flooding	
Genoa L/D 8		631.0	638.40	627.75	Rising	633.49	16-Apr			No Flooding	
Lansing		18.0	22.50	10.27	Rising	17.61	18-Apr			No Flooding	
Lynxville L/D 9		625.0	633.16	620.05	Rising	628.43	18-Apr			No Flooding	
McGregor		16.0	25.38	12.52	Rising	21.38	18-Apr			No Flooding	
Guttenberg L/D 10		15.0	23.65	11.34	Rising	19.58	18-Apr			No Flooding	
Lock 11 (Dubuque, IA)	14.8	16.0	25.69	10.94	Slow Rise	21.24	20-Apr			No Flooding	
Dubuque, IA		17.0	26.81	13.10	Steady	22.82	20-Apr			No Flooding	
Lock 12 (Bellevue, IA)	11.8	17.0	23.51	12.20	Slow Rise	20.58	20-Apr			No Flooding	
Lock 13 (Fulton, IA)	14.3	16.0	25.03	11.85	Slow Rise	21.06	21-Apr			No Flooding	
Camanche, IA		17.0	24.65	14.31	Rising	21.93	21-Apr			No Flooding	
Lock 14 (LeClaire, IA)	14.9	11.0	17.75	8.33	Steady	14.97	22-Apr			No Flooding	
Lock 15 (Rock Island, IL)	18.7	15.0	22.63	12.60	Rising	20.71	23-Apr			No Flooding	
Lock 16 (Illinois City, IL)	11.4	15.0	24.10	12.00	Rising	20.74	23-Apr			No Flooding	
Muscatine, IA		16.0	25.61	13.80	Rising	21.87	23-Apr			No Flooding	
Lock 17 (New Boston, IL)	9.3	15.0	25.90	13.66	Rising	21.96	24-Apr	17.12	2-Apr	No Flooding	
Keithsburg, IL		14.0	24.15	13.31	Rising	19.19	25-Apr	15.68	2-Apr	No Flooding	
Lock 18 (Gladstone, IL)	9.5	10.0	21.54	10.15	Rising	16.06	25-Apr	12.44	2-Apr	Minor Flooding	
Burlington, IA		15.0	25.10	15.44	Rising	20.24	25-Apr	17.13	2-Apr	Minor Flooding	
Lock 19 (Keokuk, IA)	n/a	16.0	27.58	14.97	Rising	18.98	23-Apr			No Flooding	
Gregory Landing, MO		15.0	28.49	15.93	Rising	19.93	23-Apr			Minor Flooding	
Lock 20 (Canton, MO)	11.5	14.0	27.88	14.94	Rising	19.07	24-Apr	14.97	4-Apr	Minor Flooding	
Quincy, IL		17.0	32.13	17.32	Rising	22.87	24-Apr	17.68	4-Apr	Minor Flooding	
Lock 21 (Quincy, IL)	12.2	17.0	31.30	16.59	Rising	22.21	24-Apr	16.84	4-Apr	No Flooding	
Hannibal, MO		16.0	31.80	17.60	Rising	23.17	24-Apr	17.97	5-Apr	Minor Flooding	
Lock 22 (Saverton, MO)	13.4	16.0	29.58	16.42	Rising	22.30	24-Apr	17.04	5-Apr	Minor Flooding	
Louisiana, MO		15.0	28.40	16.16	Rising	21.60	24-Apr	16.74	5-Apr	Minor Flooding	
Lock 24 (Clarksville, MO)		25.0	37.50	26.55	Rising	31.97	25-Apr	27.19	5-Apr	Minor Flooding	
Lock 25 (Winfield, MO)		26.0	39.57	26.00	Rising	32.39	26-Apr	27.14	5-Apr	Minor Flooding	
Grafton, IL		18.0	38.15	19.65	Rising	25.93	30-Apr	19.86	2-Mar	Minor Flooding	
Lock 26 Mel Price (Alton, IL)		21.0	42.72	21.54	Rising	28.28	30-Apr	21.32	2-Mar	Minor Flooding	
St. Louis, MO		30.0	49.58	28.17	Rising	34.92	30-Apr	27.13	2-Mar	No Flooding	
Chester, IL		27.0	49.53	31.13	Rising	40.01	2-May	30.06	3-Mar	Moderate Flooding	
Cape Girardeau, MO		32.0	48.00	35.49	Rising	46.28	2-May	34.43	5-Mar	Minor Flooding	
Thebes, IL		33.0	45.91	34.63	Rising	45.52	2-May	34.31	5-Mar	Minor Flooding	
Cairo, IL		40.0	59.50	46.07	Slow Fall	61.72**	2-May	53.41	18-Mar	Minor Flooding	
New Madrid, MO		34.0	47.97	35.11	Falling	**At time of BPNM Operation 48.35	6-May	40.63	19-Mar	Minor Flooding	
Caruthersville, MO		32.0	46.00	35.54	Falling	47.61	7-May	40.20	20-Mar	Minor Flooding	
Memphis, TN		34.0	48.70	35.04	Falling	47.87	10-May	36.52	22-Mar	Minor Flooding	
Helena, AR		44.0	60.21	47.93	Falling	56.59	12-May	44.19	24-Mar	Minor Flooding	
Arkansas City, AR		37.0	59.20	48.67	Falling	53.14	16-May	37.00	28-Mar	Major Flooding	
Greenville, MS		48.0	65.40	60.39	Falling	64.22	17-May	48.85	28-Mar	Major Flooding	
Vicksburg, MS		43.0	56.20	55.25	Falling	57.10	19-May	43.32	30-Mar	Major Flooding	
Natchez, MS		48.0	58.04	60.42	Falling	61.91	19-May	49.86	1-Apr	Major Flooding.	
Red River Landing, LA		48.0	61.61	61.98	Falling	63.09	21-May	52.18	3-Apr	Moderate Flooding	
Baton Rouge, LA		35.0	47.28	43.75	Falling	45.01	18-May	35.13	2-Apr	Major Flooding	
New Orleans, LA		17.0*	21.27	16.78	Slow Fall	17.00	14-May	14.20	4-Apr	No Flooding	
*Note: Levees protect City of New Orleans to 20.0 ft stage.											

Missouri River Water Levels Summary					26-May-11		0600 hours			
Station	Flood Pool		Current (0600)		Crest		Highest Previous Crest			
	FS	Max (Record High)	Stage (ft)	Status	Stage (ft)	Date	Stage (ft)	Date	Notes	
Kansas City, MO		32.0	48.87	24.31	Rising	28.20	28-May		No Flooding	
Jefferson City, MO		23.0	38.30	22.87	Rising			20.61	24-Apr	No Flooding
Herman, MO		21.0	36.97	23.86	Rising	28.70	29-May	24.46	22-May	Minor Flooding
Devil's Lake Water Level Summary					26-May-11		0600 hours			
Station	Flood Pool		Current (0600)		Crest		Highest Previous Crest			
	FS	Max (Record High)	Stage (ft)	Status	Stage (ft)	Date	Stage (ft)	Date	Notes	
Devil's Lake		1452.05 (2010)		1454.17	Steady					

Mississippi & Atchafalaya STAGES – 26 May 2011 – 0600 CDT

Station	Flood Stage	Current Stage	Actual/Forecasted Crest Stage	Date	Record Stage	Year
Cairo, IL	40.0	46.07	61.72****	2 May	59.51	1937
New Madrid, MO	34.0	35.11	48.35	6 May	47.97	1937
Caruthersville, MO	32.0	35.54	47.61	7 May	46.00	1937
Memphis, TN	34.0	35.04	47.87	10 May	48.70	1937
Helena, AR	44.0	47.93	56.59	12 May	60.21	1937
Arkansas City, AR	37.0	48.67	53.14	16 May	59.20	1927
Greenville, MS	48.0	60.39	64.22	17 May	65.4*****	1927
Vicksburg, MS	43.0	55.25	57.1	19 May	56.20*	1927
Natchez, MS	48.0	60.42	61.95	19 May	58.04	1937
Red River Lndg, LA	48.0	61.98	65.5*** (63.09***)	21 May	61.61	1997
Baton Rouge, LA	35.0	43.75	47.5*** (45.01***)	18 May	47.28	1927
New Orleans, LA	17.0**	16.78	19.5*** (17.0***)	14 May	21.27	1922
Simmesport, LA	47.0	44.74	44.94	23 May	59.13	1927
Butte LaRose, LA	25.0	23.01	23.5	27 May	27.28	1973
Morgan City, LA	4.0	10.05	9.5*** [11.0***]	30 May	10.53	1973

*62.2 ' If Levees Held

**Levees Protect New Orleans to 20.0' Stage

New Record Stage ***w/o Morganza Operation

Exceeding Current Record Stage ***w/Morganza Operation

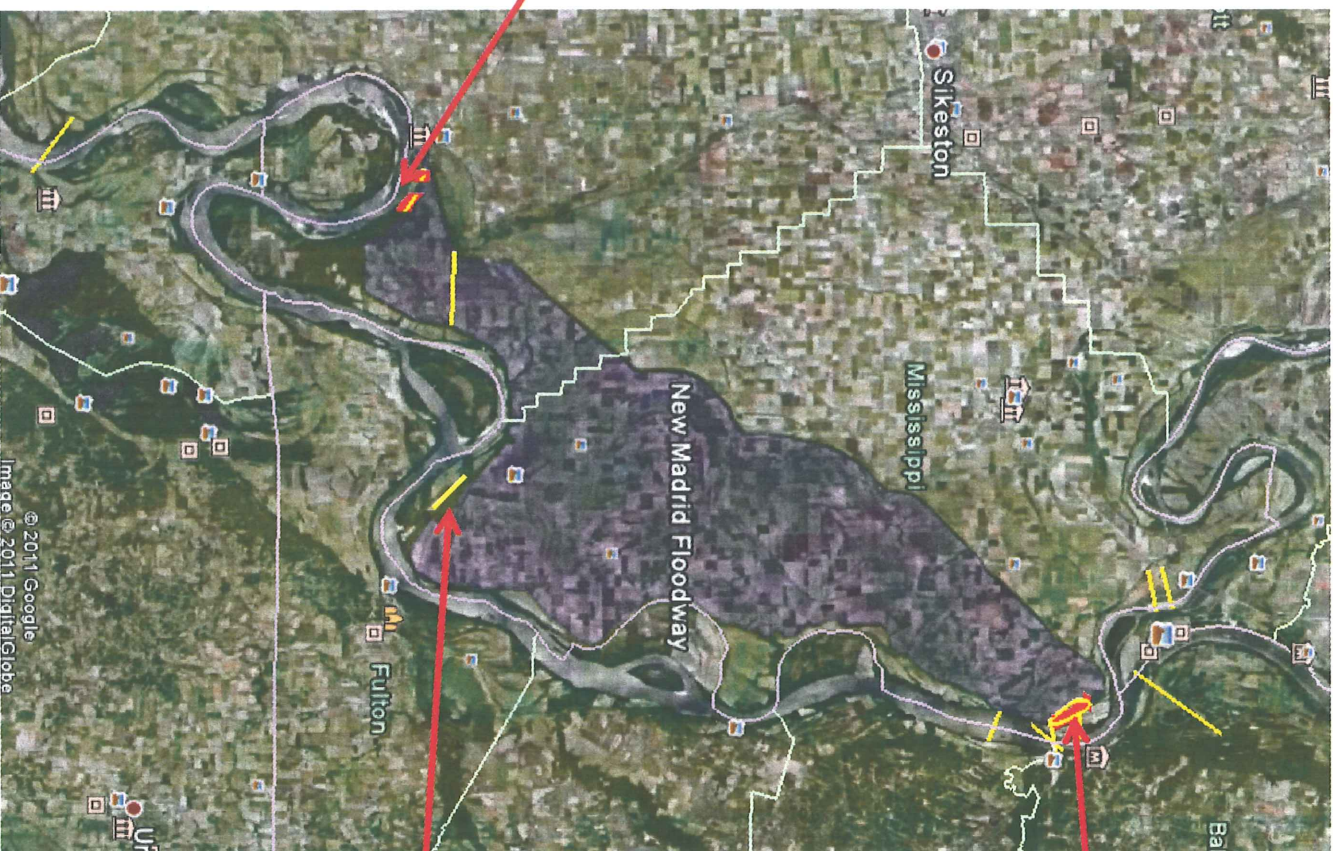
****NWS Crest of 63.0' on 5 May w/o BPNM Operation – Actual Stage of 59.7' on 5 May w/BPNM Operation

*****Adjusted to Current Gage Location - Prior to 1940 stages were taken at City Front or Warfield Point

Note: With Morganza Operation, Baton Rouge to N. Orleans crests will occur before upstream locations and will remain steady during the floodway operations.

FLOWS **(1000 cfs)**

Total Outflows	
Date	Channel Flow
3-May	130
4-May	
5-May	~383
6-May	
8 May	362
9-May	349
10-May	342
11 May	334
12 May	324
13 May	330
14 May	314
15 May	288
16 May	248
17 May	241
18 May	210
19 May	183
20 May	147
21 May	119
22 May	87
23 May	75
24 May	54
25 May	45.4



Inflow Crevasse	
Date	Channel Flow
3-May	404
4-May	369
5-May	377
8 May	347
9 May	306
10 May	271
11 May	281
12 May	254
13 May	223
14 May	196
15 May	159
16 May	128
17 May	101
18 May	71.2
19 May	60
20 May	28.3
21 May	~20
22 May	7.1
23 May	N/A
24 May	3.5
25 May	1.0

3rd Crevasse	
Date	Channel Flow
8-May	-15.4
9-May	-16.9
10 May	-22.8
11 May	-20.8
12 May	-61.2
13 May	-75.6
14 May	-82.4
15 May	-86.3
16 May	-87.0
17 May	-86.8
18 May	-83.6
19 May	-76.4
20 May	-63.0
21 May	-50.7
22 May	-39.1
23 May	N/A
24 May	-23.6
25 May	N/A

Current and Projected High Water Flows



Morning flow, cfs or maximum daily flow
 Project Flood flow, cfs
 Current % of Project Flood flow
 (Data is as of 0700 hours)
Projected Crest Flow
Projected Crest Date

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 1:00 PM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD
Subject: RE: WM POC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

You should have had this on your calendar. It was set up as a recurring call through Outlook, every weekday at 1100 Central Time, and you are on the distribution list and were invited. Maybe I need to resend the meeting invitation to everyone? Let me know.

[REDACTED]
[REDACTED]
Executive Assistant
Northwestern Division
U.S. Army Corps of Engineers
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 10:52 AM
To: [REDACTED] NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Anderson, G Witt NWD
Cc: Farhat, Jody S NWD02
Subject: Fw: WM POC

Meeting requests rather than emails should be used for these briefings. I didn't even have this on my calendar and I have over 250 unread emails from yesterday alone. My staff doesn't sit in on the CMT briefs - only me - and they don't have any information on the battle rhythm. They've got a ton of work to do so I try to manage many of these briefings which now consistently occupy my day from 1100 to 1600. We'll try to do better, but this is what you buy with a staff of 13, with one vacancy and only 8 of are WM professionals.
Jody

----- Original Message -----

From: Farhat, Jody S NWD02
To: Tipton, Robert A Col NWD; [REDACTED] NWD02; [REDACTED] NWD02; Anderson, G Witt NWD; [REDACTED] NWD
Sent: Fri May 27 10:20:27 2011
Subject: Re: WM POC

Sir - sorry about that, I neglected to tell mike and kevin about the call. Please add them to the meeting notice distribution to avoid this happening again.

I'm in Bismarck ND with the CG today and in Pierre SD tomorrow. I'll make sure on of them is on the call

Jody

----- Original Message -----

From: Tipton, Robert A Col NWD

To: Farhat, Jody S NWD02

Cc: Anderson, G Witt NWD; [REDACTED] NWD02; [REDACTED] NWD

Sent: Fri May 27 10:00:15 2011

Subject: WM POC

Jody,

Realize you are on the road with the CG. We went ahead and did a quick synch call this morning at the stated time (1100 local) and tried to contact WM there in Omaha. We could not make contact with anyone - so am a little concerned on that.

Also - need to discuss the product we need to produce for HQ -- I know you have been working with folks there, but I wanted to ensure we develop the right product that MG Temple is looking for. When you get a chance (and again, I know you are very committed right now), please give me a call.

RT

Robert A. Tipton, P.E.

COL, EN

Deputy Commander

Northwestern Division

U.S. Army Corps of Engineers

503-808-3701

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 12:52 PM
To: [REDACTED] NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Anderson, G Witt NWD
Cc: Farhat, Jody S NWD02
Subject: Fw: WM POC

Meeting requests. rather than emails should be used for these briefings. I didn't even have this on my calendar and I have over 250 unread emails from yesterday alone. My staff doesn't sit in on the CMT briefs - only me - and they don't have any information on the battle rhythm. They've got a ton of work to do so I try to manage many of these briefings which now consistently occupy my day from 1100 to 1600. We'll try to do better, but this is what you buy with a staff of 13, with one vacancy and only 8 of are WM professionals.
Jody

----- Original Message -----

From: Farhat, Jody S NWD02
To: Tipton, Robert A Col NWD; [REDACTED] NWD02; [REDACTED] NWD02; Anderson, G Witt NWD; [REDACTED] NWD
Sent: Fri May 27 10:20:27 2011
Subject: Re: WM POC

Sir - sorry about that, I neglected to tell mike and kevin about the call. Please add them to the meeting notice distribution to avoid this happening again.

I'm in Bismarck ND with the CG today and in Pierre SD tomorrow. I'll make sure on of them is on the call

Jody

----- Original Message -----

From: Tipton, Robert A Col NWD
To: Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD02; [REDACTED] NWD
Sent: Fri May 27 10:00:15 2011
Subject: WM POC

Jody,

Realize you are on the road with the CG. We went ahead and did a quick synch call this morning at the stated time (1100 local) and tried to contact WM there in Omaha. We could not make contact with anyone - so am a little concerned on that.

Also - need to discuss the product we need to produce for HQ -- I know you have been working with folks there, but I wanted to ensure we develop the right product that MG Temple is looking for. When you get a chance (and again, I know you are very committed right now), please give me a call.

RT

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division

U.S. Army Corps of Engineers

503-808-3701

[REDACTED] NWO

From: Tipton, Robert A Col NWD
Sent: Friday, May 27, 2011 12:00 PM
To: Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD02; [REDACTED] NWD
Subject: WM POC

Jody,

Realize you are on the road with the CG. We went ahead and did a quick synch call this morning at the stated time (1100 local) and tried to contact WM there in Omaha. We could not make contact with anyone - so am a little concerned on that.

Also - need to discuss the product we need to produce for HQ -- I know you have been working with folks there, but I wanted to ensure we develop the right product that MG Temple is looking for. When you get a chance (and again, I know you are very committed right now), please give me a call.

RT

Robert A. Tipton, P.E.
COL, EN
Deputy Commander
Northwestern Division
U.S. Army Corps of Engineers

503-808-3701

NWO

From: Blechinger, Erik T NWO
Sent: Friday, May 27, 2011 11:50 AM
To: [REDACTED] NWK; Hofmann, Anthony J COL NWK; [REDACTED] NWK;
Oldham, Margaret NWO; [REDACTED] NWO; [REDACTED] NWO;
[REDACTED] NWO; [REDACTED] NWK; [REDACTED] NWK; Blair, Amy E NWK;
[REDACTED] NWK; Ruch, Robert J COL NWO
Cc: [REDACTED] NWD; [REDACTED] NWD; Anderson, G Witt NWD; Tipton, Robert A Col
NWD; Farhat, Jody S NWD02; [REDACTED] NWD; Blechinger, Erik T NWO
Subject: FW: USACE Congressional and State Missouri River Flood Status call
Attachments: Flood_Fight_Storyboard_27MAY.DOCX

All;

Just a follow-up to the email that Kayla sent out to Congressionals for NWO and NWK. Also sending to PAO, EM and Congressional Liaisons in both Districts as this basin wide effort has impacts across the full spectrum. Omaha/KC, please invite/distribute call-in information as you see fit to additional congressional, media and EM counterparts. Review the attached storyboard and focus on the release information as I think this will be where the majority of questions will come from. This does not replace District efforts/activities in briefing their stakeholders as they see fit on a District level. Believe this will become a much more Regional effort as our flood fighting efforts and water releases increase and we need to make sure we are all on the same sheet of music. Hope this helps.

Erik

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 2:02 AM
To: Alan Burnt (NE Governor's Office); alan.feyerherm@mail.house.gov; Andera Travnicek (ND Governors Office); Ann Thomas Johnston (NE Terry); Anne Thimsen (SD Noem); Ansley Mick (NE Smith); Ben Ready (SD Thune); Brad Schweer (Terry); Brian Clifford (WY Barrasso); Brian Dunnigan (NE Governor's Office); brianne.dugan@baucus.senate.gov; Chris Tomassi (WY Enzi); Dan English (SD Thune); Darrell.Podany@Johanns.senate.gov; David Spryncznatyk (ND Governor's Office); dayle.williamson@bennelson.senate.gov; Dean.Mathisen@mail.house.gov; deb.vanmatre@mail.house.gov; Edwin Elfmann (IA King); Eric Bierwagen (MT Rehberg); erick.lutt@bennelson.senate.gov; Erik Nelson (SD Johnson); Janelle DiLuccia (SD Johnson); Jason Glodt (SD Governor's Office); Judith Roberts (ND Berg); kate.howard@bennelson.senate.gov; Kevin Caulfield (ND Berg); Kristi Wallin (WY Barrasso); Lindsey Christmas (ND Berg) (lindsey.christman@mail.house.gov); Louis.pofahl@mail.house.gov; Mark Matulka (NE Governor's Office); marty.boeckel@conrad.senate.gov; Mary.Hollatz@mail.house.gov; nancy.johner@johanns.senate.gov; nathan.vanderPlatts@harkin.senate.gov; Patrick Lehman (Johanns); patrick.leahy@bennelson.senate.gov; pete.Obermueller@mail.house.gov; Phil.Erdman@johanns.senate.gov; Renee Latterell (SD Noem); Robin Bailey (WY Enzi); Ron Rauschenberger (ND Governors Office); Ross Keys (ND Conrad) (Ross.Keys@conrad.senate.gov); ryan.mcconnaughey@mail.house.gov; Schwiertert, David (Thune); shane.goettle@hoeven.senate.gov; Sharon Boysen (SD Johnson); Sheena Wilson (MT Governor's Office); sherry.kuntz@grassley.senate.gov; Shuhai Zheng (NE); Spencer Gray (MT Baucus); Susan France (NE); Suzanne Vennis (SD Noem) (Suzanne.vennis@mail.house.gov); Ted Stopulos; Thomas "Tucker" Fagan (WY Lummis); Todd Sando (ND State Water Commission); Tom Nelson (ND Berg); Tracee Sutton (ND Conrad); WY Governor's Office; Zachary Nelson (Zach.Nelson@bennelson.senate.gov); Aaron Popelka (KS Sen Moran/DC); Angelynn Morgan (Kansas Division of Emergency Management); Bob Ziehmer (MO Dept of Conservation Director); Brian Klippenstein (MO Blunt); Chris Brown (MO-9 Luetkemeyer/DC); Christina Mahoney (MO -5 Cleaver); Corey Dukes (MO McCaskill); Dan

Engemann (MO-9 Luetkemeyer/State); Earl Lewis (KS Water Office Deputy Director); Eric Bohl (MO-4 Hartzler/DC); Jonathan Mason (MO-6 Graves/DC); Melissa Roe (MO-6 Graves); Mike Wells (MO DNR Deputy Director); Paul Parmenter (MO State EM Agency Director); Peter Henry (MO Blunt); Ryan Flickner (KS Roberts/DC); Sara Parker Pauley (MO DNR Director); Tim Diemler (MO State EM Agency Deputy Director); Tracy Streeter (KS Water Office Director)
Cc: Bertino, John J Jr NWO; Blechinger, Erik T NWO; Combs, David L NWK; [REDACTED]
A NWO; Farhat, Jody S NWD02; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED]
NWD; Michaels, Robert J NWO; Oldham, Margaret NWO; Ruch, Robert J COL NWO; Salak, Jennifer NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Tipton, Robert A Col NWD
Subject: USACE Congressional and State Missouri River Flood Status call

Thank you to all who participated in the call on 26 May 2011. We recognize it was short notice to move it from the afternoon to the early morning, but as Omaha District Commander COL Robert Ruch has committed, we are trying to get the most current information to you as quickly as possible. As agreed to on today's call, our next update is scheduled for Saturday, 28 May 2011, at 0800 hrs CST. The call in number is below.

WHAT: Flood Fight Update Call with Congressional and State staff
WHEN: Saturday, 28 May 2011 at 0800 hrs CST

USA Toll-Free: (877)336-1828
ACCESS CODE: [REDACTED]

Please let me know if you have any questions and/or concerns.

Regards,

[REDACTED]
Chief of Planning
Congressional Liaison
US Army Corps of Engineers
Omaha District
1616 Capitol Avenue
Omaha, NE 68102-4901
[REDACTED] (o)
[REDACTED] (c)



US Army Corps
of Engineers
Omaha District

Missouri River Mainstem Reservoir Bulletin (Updated 27 May 8:08)

Fort Peck	Garrison	Oahe	Big Bend	Fort Randall	Gavins Point
Midnight Elevation 2246.3 ft (msl) (Elev. Change +0.6 ft) Daily Avg. Inflow 71,000 cu ft/second (cfs) Current Release 10,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 2234 ft (msl) – 2246 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 2246 ft (msl) – 2250 ft (msl) Top of Spillway Gates 2250 ft (msl) Planned scheduled releases (subject to change) - Releases reaching 40 kcf in early June, peaking out at 50 kcf by early July - Peak reservoir level within 1 foot of the top of spillway gates 24-hour forecast (Glasgow) Today: Showers likely and possibly a thunderstorm after noon. Mostly cloudy, with a high near 55. Chance of precipitation is 60%. Saturday: Showers likely and possibly a thunderstorm. Mostly cloudy, with a high near 57. Chance of precipitation is 70%.	Midnight Elevation 1851.6 ft (msl) (Elev. Change +0.5 ft) Daily Avg. Inflow 167,000 cu ft/second (cfs) Current Release 75,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1837.5 ft (msl) – 1850 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1850 ft (msl) – 1854 ft (msl) Top of Spillway Gates 1854 ft (msl) River Stage (Bismarck) 15.8 ft (Flood stage – 16 ft) 24-hr change (+0.2 ft) Planned scheduled releases (subject to change) - Increase to 85 kcf on schedule provided previously - Hold 85,000 cfs through approximately 9 June - Step up to 105 kcf by mid to late June - Peak reservoir level at top of spillway gates 24-hour forecast (Bismarck) Today: A 40% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 63. Saturday: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 60.	Midnight Elevation 1617.9 ft (msl) (Elev. Change +0.00 ft) Daily Avg. Inflow 76,000 cu ft/second (cfs) Current Release 73,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1607.5 ft (msl) – 1620 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1617 ft (msl) – 1620 ft (msl) Top of Spillway Gates 1620 ft (msl) River Stage (Pierre) 13.9 ft (Flood stage – 15 ft) 24-hr change (+0.6 ft) Planned scheduled releases (subject to change) - Increase to 85 kcf on schedule provided previously - Hold 85,000 cfs through 3 June - Step up to 100 kcf by 6 June - Eventually reaching 110kcf by late June – early July - Peak reservoir level within 1 foot of the top of the spillway gates 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1419.2 ft (msl) (Elev. Change -0.2 ft) Daily Avg. Inflow 67,000 cu ft/second (cfs) Current Release 72,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1420 ft (msl) – 1423 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1422 ft (msl) – 1423 ft (msl) Top of Spillway Gates 1423 ft (msl) Planned scheduled releases (subject to change) - Increase release to 85 kcf on schedule provided previously - Step to 90 kcf next week - Eventually reaching 110 kcf by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1357.2 ft (msl) (Elev. Change +0.4 ft) Daily Avg. Inflow 86,000 cu ft/second (cfs) Current Release 66,400 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1350 ft (msl) – 1375 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1365 ft (msl) – 1375 ft (msl) Top of Spillway Gates 1375 ft (msl) Planned scheduled releases (subject to change) - Increase to 82.5 kcf on schedule provided previously - Releases gradually increased to 108 kcf by late June – early July - Peak reservoir level 1364.5 24-hour forecast (Chamberlain) Today: Scattered showers, with thunderstorms also possible after 4pm. Mostly cloudy, with a high near 65. Chance of precipitation is 30%. Saturday: A slight chance of showers and thunderstorms. Mostly sunny, with a high near 69. Chance of precipitation is 20%.	Midnight Elevation 1206.7 ft (msl) (Elev. Change +0.1 ft) Daily Avg. Inflow 63,000 cu ft/second (cfs) Current Release 62,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1204.5 ft (msl) – 1210 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1208 ft (msl) – 1210 ft (msl) Top of Spillway Gates 1210 ft (msl) Planned scheduled releases (subject to change) - Increase to 85 kcf on schedule provided previously - Releases gradually increased to 110 kcf by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Yankton) Today: Showers, with thunderstorms also possible after 1pm. High near 63. Chance of precipitation is 80%. New rainfall amounts between a quarter and half of an inch possible. Saturday: A slight chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 72. Chance of precipitation is 20%.

Source of information: <https://w3.nwd-mr.usace.army.mil/rcc>

Fort Peck	Garrison	Oahe	Big Bend	Fort Randall	Gavins Point
	24-hour forecast (Riverdale) Today: A 50% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 61. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 59. 24-hour forecast (Washburn) Today: A 50% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 61. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 59. 24-hour forecast (Mandan) Today: A 40% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 64. Saturday: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 60. 24-hour forecast (Hazen) Today: A 50% chance of showers and thunderstorms after noon. Partly sunny, with a high near 62. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 61.	24-hour forecast (Ft. Pierre) Today: Scattered showers and thunderstorms, mainly after 1pm. Mostly cloudy, with a high near 64. Chance of precipitation is 40%. Saturday: A slight chance of showers, then a chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 67. Chance of precipitation is 30%. 24-hour forecast (Lower Brule) Today: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 64. Saturday: A slight chance of showers, then a chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 68. Chance of precipitation is 30%.			

Source of information: <http://www.weather.gov/>



Missouri River Flooding (Logistics) (Updated 26 May 11)

Personnel Deployed

- 1 (Billings)
- 12 (Bismarck)
- 5 (Williston)
- 7 (Pierre)
- 3 (Fort Randall)
- 4 (North Platte)

Equipment Deployed

- Sandbags (85,000)
- 10" Pumps (1)
- 12" Pumps (6)
- 16" Pumps (4)
- Expedient Flood Fight Products (Hesco – 19,380 LF)

Meetings

- Daily (Indefinitely) – Press Conference (involving federal, state and local officials and the Corps) at the EOC in Pierre, S.D. Eric Stasch represents the Corps
- 27 May 11 at 1100 – Bus Tour organized by Senator Hoeven's office; General McMahon and Governor Dalmryple will be attending

Source of information: CMT Brief (26 May 11)

Key Messages and Talking Points

ISSUE: Repeated rounds of heavy rain, coupled with record plains snowpack have pushed the Missouri River Reservoirs to very high levels that require aggressive releases out of the main stem reservoirs. A huge event during the past two weeks in eastern Montana, northern Wyoming and the Western Dakotas has brought as much rain into the area during the past month as what the regional normally sees in one year (300-600 percent of normal).

BACKGROUND: The Omaha District provides timely and effective technical advice and direct assistance before and during flood events with a goal of reducing flooding risks.

KEY/COMMAND MESSAGES

1. PUBLIC SAFETY

- Protecting lives is our number one priority, which is what this flood fight is all about – people’s lives. Without the proper operation of the Missouri River main stem system, more lives and property will be at risk. We recognize that managing and communicating flood risk is a shared responsibility among federal, state, local, Tribal and private partners so people can make well informed public decisions about their safety.
- Our emergency response measures are designed to reduce flooding risks.
- We remind the public to remain vigilant of the safety risks associated with flooding events: high water on levees, flooded roads, high flowing streams and environmental issues such as well contamination.
- As the flood fight continues, residents who live and work near flood-impacted areas should remain vigilant and must be prepared to follow directions from their local emergency management officials.

2. TIMELY RESPONSE & PREPAREDNESS

- The Corps has a well-trained team of emergency response personnel, equipment and materials available and ready for mobilization if needed.
- When requested, the Corps provides technical assistance such as ice jam monitoring and scheduling water releases to accommodate snow melt and rain runoff.
- The Corps often provides advanced measures such as sandbags, rapid deployment floodwalls, Hesco bastions and temporary levees, to help reduce flooding risk.

3. ASSISTANCE TO COMMUNITIES AND TRIBAL GOVERNMENTS

- Under the authority of Public Law 84-99 and the Flood Control and Coastal Emergencies appropriations, Corps emergency management personnel collaborate with local, county, state, federal and tribal officials to ensure coordinated efforts in flood risk reduction and emergency response activities.
- We are doing everything we can to protect people and their property, which means making difficult choices and decisions.
- In coordination with Tribal governments and States, the Corps deploys flood fighting materials and supplies (sandbags, pumps, and expedient flood fight products), pre-positions flood flight supplies and equipment, and deploys flood engineers to provide technical assistance.
- In 2010, the operations of Corps Flood Damage Reduction projects prevented \$23.1 billion in flood-related damages. A 10-year average of annual damages prevented is \$25.2 billion.

- When disasters occur, it is not just a local Corps district or office that responds. Personnel and other resources are mobilized across the country to carry out our response missions.
- In any disaster, our top priorities are:
 - Support immediate emergency response priorities;
 - Sustain lives with critical commodities, temporary emergency power and other needs; and,
 - Initiate recovery efforts by assessing and restoring critical infrastructure.

4. EFFECTIVE COMMUNICATION

- We are using all available communication tools to keep the public informed of our emergency response operations, including:
 - Internet <http://nwo.usace.army.mil/> - click the flooding link
 - OmahaUSACE on Facebook and Twitter
 - 24-hour hotline 888-835-5971 ext 2448

Missouri River Basin

- We will be increasing releases to record levels, well above those previously announced at all six of our main stem dams.
- Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second. Previous high releases were 70,000 cfs in the fall of 1997.
- We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.
- People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil and from local emergency management offices.
- During our flood response activities throughout the basin, we will provide regular updates directly to the public at OmahaUSACE on Facebook and Twitter.
- Flooded areas are expected to be inundated for several months. Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse.
- Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions.
- At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.
- Releases from the Missouri River basin will reach the Mississippi basin, but we are coming in about two weeks after the crest and expect the impact to be minimal.

- The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year.
- Our forecasts are based on the best available information we have at this time, and consider the snowmelt period.
- These peak releases are necessary to manage the reservoir levels to avoid reaching the top of spillway gates.

Platte River Basin

- The Corps has provided technical assistance to the State of Wyoming on the Platte River basin, but has not received a request for advanced measures at this time.

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 11:43 AM
To: Farhat, Jody S NWD02
Subject: Inflows (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody:

Ft. Peck: 71 kcfs
Garr: 167
Oahe: 107
Bend: 67
Ft. Randall: 86
Gapt: 63

Sys Sg: 68.5
+396

Sorry I didn't get these earlier.

[REDACTED]
Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Quinn, Kevin R NWO
Sent: Friday, May 27, 2011 11:09 AM
To: Farhat, Jody S NWD02
Subject: FW: Ms. Farhat's availability (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Jody-I know you are fully engaged. Any chance of calling this media member for a 10-minute interview? kq

-----Original Message-----

From: Winchester, Cody [<mailto:cwinchester@argusleader.com>]
Sent: Friday, May 27, 2011 10:19 AM
To: Quinn, Kevin R NWO
Subject: Ms. Farhat's availability

Kevin,

I've got messages into Jody's office and email. Do you know -- will she be available today for a 10-minute chat, or should I try someone else?

Thanks,
Cody Winchester
Sioux Falls Argus Leader
cwincheste@argusleader.com
605-331-2320

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 11:00 AM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

Please add me to your mail list. I could be asked to support the UOC this holiday weekend, so I'd like to be situationally aware. Thanks.

[REDACTED]
U.S. Corps of Engineers Headquarters
Engineering-Construction Division
[REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 11:37 AM
To: [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone [REDACTED]
Cell [REDACTED]

-----Original Message-----

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 11:11 AM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; Farhat, Jody S NWD02; [REDACTED] NWD02;
[REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD; Bertino, John J Jr NWO
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Geotechnical staff are on site at Oahe now, taking instrumentation readings. The current forecast is for a new record pool of 1619.3 (old record 1618.7), to occur next week. However, the forecast will be updated later today.

Per NWD Water Management, discharges are being held at 85,000 cfs until advanced measures are completed, and then will be ramped up to 100,000 cfs.

-----Original Message-----

From: [REDACTED] HQ02

Sent: Wednesday, May 25, 2011 7:03 AM

To: [REDACTED] HQ02; Farhat, Jody S NWD02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02

Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

AREA OF CONCERN -- Is Oahe moving South?

We had embankment movement the last time we had high water at Oahe. This needs to be watched.

[REDACTED] -- Any comments?

[REDACTED]
Dam Safety Program Manager, Emeritus

HQS, US Army Corps of Engineers

([REDACTED] Office)

([REDACTED] Cell)

-----Original Message-----

From: [REDACTED] HQ02

Sent: Wednesday, May 25, 2011 8:00 AM

To: Farhat, Jody S NWD02; [REDACTED] HQ02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02

Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Much appreciate that summary. For Garrison and Oahe record releases, is there record pools as well?

Thanks,

[REDACTED]
National Dam Safety Program Manager

US Army Corps of Engineers - HQ

[REDACTED] (office)

[REDACTED] (cell)
[REDACTED]@usace.army.mil

-----Original Message-----

From: Farhat, Jody S NWD02

Sent: Wednesday, May 25, 2011 7:30 AM

To: [REDACTED] HQ02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] NWD02; [REDACTED] NWD02

Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] - I wasn't aware of the requirement.

Here's a snapshot for this morning.

Fort Peck: 2245.3, up 0.6 feet since ydy; top of gates 2250; current release rate 10,000 cfs
Garrison: 1850.7, up 0.3 feet; top of gates 1854; current release rate 70,000 cfs (record release)

Oahe: 1617.9, up 0.2 feet; top of gates 1620; current release 65,000 cfs (record release) Big Bend - normal operations Fort Randall: 1356.0, up 0.5 feet; top of gates 1375; current release rate 59,000 cfs Gavins Point - normal operations; current release rate 60,000 cfs

Big bend and Gavins Point have very little flood control storage and are currently within the normal operating range. Releases from Garrison to Gavins Point will be increased to the 85,000 cfs range over the coming week to two weeks.

Jody

-----Original Message-----

From: [REDACTED] HQ02

Sent: Wednesday, May 25, 2011 3:41 AM

To: Farhat, Jody S NWD02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02

Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Importance: High

Classification: UNCLASSIFIED

Caveats: NONE

Hi Jody-you need to be sending HQ daily reservoir summaries when you're experiencing flooding. Please copy all of us on the cc line above. Also, we need them by 0830 EDT to have them in time to be of use at the 0900 UOC briefing.

The EM chain isn't sufficient, we need info via the H&H chain. Know that we're not picking on you--everyone is expected to keep us posted during flooding.

Thanks for your help with this.

Dave

-----Original Message-----

From: [REDACTED] HQ02

Sent: Tuesday, May 24, 2011 10:25 PM

To: [REDACTED] HQ02

Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED],
Looks like NWD is not reporting to the UOC or HQ.

[REDACTED].
Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone [REDACTED]
Cell [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 6:16 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

See note below.

[REDACTED]
[REDACTED]
Chief Engineering and Construction
HQ U.S. Army Corps of Engineers
Office: [REDACTED]
Cell: [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 10:19 AM
To: Grisoli, William T MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED],
Thomas P COL HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYSA.....

Steve

[REDACTED]
Director Civil Works, USACE
(W) ([REDACTED])
(Cell) ([REDACTED])
[REDACTED]@us.army.mil

-----Original Message-----

From: [REDACTED] HQ
Sent: Tuesday, May 24, 2011 8:38 AM
To: [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYI

[REDACTED]
Deputy Chief (Civil Works)
Northwestern Division
Regional Integration Team (RIT)
U.S. Army Corps of Engineers
441 G Street, NW
3C93
Washington, D.C. 20314-1000

[REDACTED] (voice)

[REDACTED] (fax)

[REDACTED] (mobile)

[REDACTED]@usace.army.mil

-----Original Message-----

From: U.S. Army Corps of Engineers [mailto:kevin.r.quinn@usace.army.mil]
Sent: Monday, May 23, 2011 6:29 PM
To: [REDACTED] NWK
Subject: Lots more water coming down the Missouri River - now!

<file:///C:/DOCUME~1/g6pa9krq/LOCALS~1/Temp/msohtmlclip1/01/clip_image001.jpg>

U.S. ARMY CORPS OF ENGINEERS
BUILDING STRONG®
NEWS RELEASE

For Immediate Release: May 23, 2011
Contact: Kevin R. Quinn 402-995-2419
kevin.r.quinn@usace.army.mil
Jody Farhat 402-996-3840
jody.s.farhat@usace.army.mil

Lots more water coming down the Missouri River - now!

Omaha, Neb. - Repeated rounds of heavy rain across Montana and the Dakotas, coupled with far above normal mountain snowpack, have pushed reservoirs to a level which calls for aggressive water releases from Missouri River mainstem dams, said Jody Farhat, Chief of the Corps' Missouri River Basin Water Management Division in Omaha.

"The upper Missouri River is seeing dramatic increases in flows, particularly after as much as eight inches of rain fell over the weekend in portions of eastern Montana and western North Dakota," Farhat said. "Unusually heavy precipitation, combined with late season heavy

snowpack in parts of the Missouri Basin, means we will see near-record runoff in the Missouri basin."

Farhat thinks it is possible that Garrison Dam may be within a foot of the top of its spillway gates by this time next week. "We're beginning to make some major adjustments to water releases, starting with Fort Peck south to Gavins Point Dam and expect to do so for some time since the extended forecast is calling for more of the same."

Garrison Dam releases were increased to 60,000 cubic feet per second (cfs) today and will be stepped up until they reach 75,000 cfs on Wednesday. At the same time, releases from the upstream reservoir Fort Peck will be reduced from the current rate of 20,000 cfs to 10,000 cfs to help stem the rise of Garrison reservoir. Garrison reservoir is expected to reach 1853 feet by this weekend due to the high flow on the Yellowstone and Little Missouri Rivers. Fort Peck reservoir is also climbing rapidly due to weekend's rainfall and low elevation snowmelt. It is expected to rise 2 feet this week, reaching 2246 by the weekend.

Oahe Dam releases will transition from 60,000 cfs today to 70,000 cfs by mid-week. Farhat expects the Oahe reservoir to reach 1618 feet by the weekend and continue to slowly drift upward over the next few weeks, perhaps peaking in mid-June. The record pool at Oahe is 1618.7 feet, set in 1995 and repeated in 1996. The peak pool level in 1997 was 0.1 foot lower at 1618.6.

Fort Randall has some space to store water, but the river reach between there and Gavins Point is already at bankfull. Gavins Point releases were increased to 60,000 cfs this afternoon and will be slowly ramped up over the coming days, possibly reaching 75,000 cfs in June unless conditions improve. This will eventually necessitate a similar magnitude increase in Fort Randall's releases.

Travel time for water released from Garrison Dam to reach the Bismarck area is about 36 hours. River managers are expecting stages of approximately 16.5 to 17 feet in the Bismarck area when the river stabilizes. The Corps' Omaha District office has deployed technical teams to help prepare for flood fighting around Bismarck and to assess the flood potential in the Pierre area.

"As already seen in other parts of the nation, high water years always bring pain and suffering with them," said Farhat. "We are doing everything we can to protect people and their property and reduce the extent and impact of flood stages along the Missouri. The situation in the Missouri River basin is changing rapidly and planned releases are subject to change with little notice." Residents who live and work in flood-prone areas should remain vigilant and be prepared to follow recommendations from their local emergency management offices.

For more information, visit the Spring 2011 Flood Response site at www.nwo.usace.army.mil.

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<<http://us.vocuspr.com/Url.aspx?520028x486114x-457220>>

If you would rather not receive future communications from U.S. Army Corps of Engineers, let us know by clicking here. <<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x315969x3x1875270x24000x6&Email=Steven.A.Fischer%40usace.army.mil>>

U.S. Army Corps of Engineers, 1616 Capitol Ave., Omaha, NE 68102 United States

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 10:57 AM
To: [REDACTED] NWO
Cc: Farhat, Jody S NWD02
Subject: RE: RCC Phone numbers (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]
No problem with the calls last night. [REDACTED] sent out an updated phone list. Generally speaking, call me, then [REDACTED], and then [REDACTED].

We'll continue to schedule releases to try and maintain the reservoir elevation near 1419.5. I talked to Western concerning this issue. If your operators see a problem with the elevation they can work with Western to lower (or raise) the release as necessary. For the time being, it is not necessary to call one of us to verify the change. I would appreciate it if you keep us informed of any calls you make to Western so we can take that into account for future schedule. If it's during the normal daytime hours give me a call, otherwise send me an email.

Please call one of us if you are having an issue with Western during this process.

[REDACTED]
-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 8:56 AM
To: [REDACTED] NWD02
Cc: Farhat, Jody S NWD02
Subject: RCC Phone numbers (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]
Sorry about the calls last night. Please send an updated phone list for RCC and any guidance on who should be contacted and when.

Our operators have been told to monitor discharges to assure we hit our 24hr discharge schedules and maintain lake levels at ~EL1419.

Let me know if you have any additional guidance.

Thanks,

[REDACTED]
Operations Project Manager
Big Bend Project
"The Jewel on the Missouri River"

[REDACTED] Fax

NWO

From: Farmer, Monique L NWO
Sent: Friday, May 27, 2011 10:46 AM
To: DLL-CENWO-EOC CMT-ALL
Cc: CENWD-EOC NWD; Eckert Uptmor, Kayla A NWO; Fletcher, Patsy L HQ02
Subject: Flood Fight Story Board and Talking Points (UNCLASSIFIED)
Attachments: Flood_Fight_Storyboard_27MAY.docx

Classification: UNCLASSIFIED
Caveats: NONE

Good morning all:

Please find the attached Flood Fight Storyboard (including main stem reservoir bulletin information) and Talking Points (at the back) for your use today.

V r,

Monique

Classification: UNCLASSIFIED
Caveats: NONE



US Army Corps
of Engineers
Omaha District

Missouri River Mainstem Reservoir Bulletin (Updated 27 May 8:08)

Fort Peck	Garrison	Oahe	Big Bend	Fort Randall	Gavins Point
Midnight Elevation 2246.3 ft (msl) (Elev. Change +0.6 ft) Daily Avg. Inflow 71,000 cu ft/second (cfs) Current Release 10,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 2234 ft (msl) – 2246 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 2246 ft (msl) – 2250 ft (msl) Top of Spillway Gates 2250 ft (msl) Planned scheduled releases (subject to change) - Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July - Peak reservoir level within 1 foot of the top of spillway gates 24-hour forecast (Glasgow) Today: Showers likely and possibly a thunderstorm after noon. Mostly cloudy, with a high near 55. Chance of precipitation is 60%. Saturday: Showers likely and possibly a thunderstorm. Mostly cloudy, with a high near 57. Chance of precipitation is 70%.	Midnight Elevation 1851.6 ft (msl) (Elev. Change +0.5 ft) Daily Avg. Inflow 167,000 cu ft/second (cfs) Current Release 75,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1837.5 ft (msl) – 1850 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1850 ft (msl) – 1854 ft (msl) Top of Spillway Gates 1854 ft (msl) River Stage (Bismarck) 15.8 ft (Flood stage – 16 ft) 24-hr change (+0.2 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through 9 June - Step up to 105 kcfs by mid to late June - Peak reservoir level at top of spillway gates 24-hour forecast (Bismarck) Today: A 40% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 63. Saturday: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 60.	Midnight Elevation 1617.9 ft (msl) (Elev. Change +0.00 ft) Daily Avg. Inflow 76,000 cu ft/second (cfs) Current Release 73,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1607.5 ft (msl) – 1620 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1617 ft (msl) – 1620 ft (msl) Top of Spillway Gates 1620 ft (msl) River Stage (Pierre) 13.9 ft (Flood stage – 15 ft) 24-hr change (+0.6 ft) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Hold 85,000 cfs through 3 June - Step up to 100 kcfs by 6 June - Eventually reaching 110kcfs by late June – early July - Peak reservoir level within 1 foot of the top of the spillway gates 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1419.2 ft (msl) (Elev. Change -0.2 ft) Daily Avg. Inflow 67,000 cu ft/second (cfs) Current Release 72,200 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1420 ft (msl) – 1423 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1422 ft (msl) – 1423 ft (msl) Top of Spillway Gates 1423 ft (msl) Planned scheduled releases (subject to change) - Increase release to 85 kcfs on schedule provided previously - Step to 90 kcfs next week - Eventually reaching 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Pierre) Friday: A 30 percent chance of showers, mainly after 1pm. Mostly cloudy, with a high near 64. Friday Night: A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 46.	Midnight Elevation 1357.2 ft (msl) (Elev. Change +0.4 ft) Daily Avg. Inflow 86,000 cu ft/second (cfs) Current Release 66,400 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1350 ft (msl) – 1375 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1365 ft (msl) – 1375 ft (msl) Top of Spillway Gates 1375 ft (msl) Planned scheduled releases (subject to change) - Increase to 82.5 kcfs on schedule provided previously - Releases gradually increased to 108 kcfs by late June – early July - Peak reservoir level 1364.5 24-hour forecast (Chamberlain) Today: Scattered showers, with thunderstorms also possible after 1pm. Mostly cloudy, with a high near 65. Chance of precipitation is 30%. Saturday: A slight chance of showers and thunderstorms. Mostly sunny, with a high near 69. Chance of precipitation is 20%.	Midnight Elevation 1206.7 ft (msl) (Elev. Change +0.1 ft) Daily Avg. Inflow 63,000 cu ft/second (cfs) Current Release 62,100 cu ft/second (cfs) Annual Flood Ctrl & Multi-Use Zone (Elevation) 1204.5 ft (msl) – 1210 ft (msl) Exclusive Flood Ctrl Zone (Elevation) 1208 ft (msl) – 1210 ft (msl) Top of Spillway Gates 1210 ft (msl) Planned scheduled releases (subject to change) - Increase to 85 kcfs on schedule provided previously - Releases gradually increased to 110 kcfs by late June – early July - Normal operating level for reservoir (no flood control storage) 24-hour forecast (Yankton) Today: Showers, with thunderstorms also possible after 1pm. High near 63. Chance of precipitation is 80%. New rainfall amounts between a quarter and half of an inch possible. Saturday: A slight chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 72. Chance of precipitation is 20%.

Source of information: <https://w3.nwd-mr.usace.army.mil/rcc>

Fort Peck	Garrison	Oahe	Big Bend	Fort Randall	Gavins Point
	24-hour forecast (Riverdale) Today: A 50% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 61. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 59. 24-hour forecast (Washburn) Today: A 50% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 61. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 59. 24-hour forecast (Mandan) Today: A 40% chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 64. Saturday: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 60. 24-hour forecast (Hazen) Today: A 50% chance of showers and thunderstorms after noon. Partly sunny, with a high near 62. Saturday: A 50% chance of showers and thunderstorms. Mostly cloudy, with a high near 61.	24-hour forecast (Ft. Pierre) Today: Scattered showers and thunderstorms, mainly after 1pm. Mostly cloudy, with a high near 64. Chance of precipitation is 40%. Saturday: A slight chance of showers, then a chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 67. Chance of precipitation is 30%. 24-hour forecast (Lower Brule) Today: A 40% chance of showers and thunderstorms. Mostly cloudy, with a high near 64. Saturday: A slight chance of showers, then a chance of showers and thunderstorms after 1pm. Partly sunny, with a high near 68. Chance of precipitation is 30%.			

Source of information: <http://www.weather.gov/>



Missouri River Flooding (Logistics) (Updated 26 May 11)

Personnel Deployed

- 1 (Billings)
- 12 (Bismarck)
- 5 (Williston)
- 7 (Pierre)
- 3 (Fort Randall)
- 4 (North Platte)

Equipment Deployed

- Sandbags (85,000)
- 10" Pumps (1)
- 12" Pumps (6)
- 16" Pumps (4)
- Expedient Flood Fight Products (Hesco – 19,380 LF)

Meetings

- Daily (Indefinitely) – Press Conference (involving federal, state and local officials and the Corps) at the EOC in Pierre, S.D. Eric Stasch represents the Corps
- 27 May 11 at 1100 – Bus Tour organized by Senator Hoeven's office; General McMahon and Governor Dallymple will be attending

Source of information: CMT Brief (26 May 11)

Key Messages and Talking Points

ISSUE: Repeated rounds of heavy rain, coupled with record plains snowpack have pushed the Missouri River Reservoirs to very high levels that require aggressive releases out of the main stem reservoirs. A huge event during the past two weeks in eastern Montana, northern Wyoming and the Western Dakotas has brought as much rain into the area during the past month as what the regional normally sees in one year (300-600 percent of normal).

BACKGROUND: The Omaha District provides timely and effective technical advice and direct assistance before and during flood events with a goal of reducing flooding risks.

KEY/COMMAND MESSAGES

1. PUBLIC SAFETY

- Protecting lives is our number one priority, which is what this flood fight is all about – people’s lives. Without the proper operation of the Missouri River main stem system, more lives and property will be at risk. We recognize that managing and communicating flood risk is a shared responsibility among federal, state, local, Tribal and private partners so people can make well informed public decisions about their safety.
- Our emergency response measures are designed to reduce flooding risks.
- We remind the public to remain vigilant of the safety risks associated with flooding events: high water on levees, flooded roads, high flowing streams and environmental issues such as well contamination.
- As the flood fight continues, residents who live and work near flood-impacted areas should remain vigilant and must be prepared to follow directions from their local emergency management officials.

2. TIMELY RESPONSE & PREPAREDNESS

- The Corps has a well-trained team of emergency response personnel, equipment and materials available and ready for mobilization if needed.
- When requested, the Corps provides technical assistance such as ice jam monitoring and scheduling water releases to accommodate snow melt and rain runoff.
- The Corps often provides advanced measures such as sandbags, rapid deployment floodwalls, Hesco bastions and temporary levees, to help reduce flooding risk.

3. ASSISTANCE TO COMMUNITIES AND TRIBAL GOVERNMENTS

- Under the authority of Public Law 84-99 and the Flood Control and Coastal Emergencies appropriations, Corps emergency management personnel collaborate with local, county, state, federal and tribal officials to ensure coordinated efforts in flood risk reduction and emergency response activities.
- We are doing everything we can to protect people and their property, which means making difficult choices and decisions.
- In coordination with Tribal governments and States, the Corps deploys flood fighting materials and supplies (sandbags, pumps, and expedient flood fight products), pre-positions flood flight supplies and equipment, and deploys flood engineers to provide technical assistance.
- In 2010, the operations of Corps Flood Damage Reduction projects prevented \$23.1 billion in flood-related damages. A 10-year average of annual damages prevented is \$25.2 billion.

- When disasters occur, it is not just a local Corps district or office that responds. Personnel and other resources are mobilized across the country to carry out our response missions.
- In any disaster, our top priorities are:
 - Support immediate emergency response priorities;
 - Sustain lives with critical commodities, temporary emergency power and other needs; and,
 - Initiate recovery efforts by assessing and restoring critical infrastructure.

4. EFFECTIVE COMMUNICATION

- We are using all available communication tools to keep the public informed of our emergency response operations, including:
 - Internet <http://nwo.usace.army.mil/> - click the flooding link
 - OmahaUSACE on Facebook and Twitter
 - 24-hour hotline 888-835-5971 ext 2448

Missouri River Basin

- We will be increasing releases to record levels, well above those previously announced at all six of our main stem dams.
- Flows from five of the six dams are expected to reach a record 110,000 cubic feet per second. Previous high releases were 70,000 cfs in the fall of 1997.
- We are working closely with state and local emergency management teams to identify potential flood areas, provide residents with the most current information and help protect vital public infrastructure.
- People along the river are encouraged to make evacuation plans to protect their possessions and property. Maps for potential flood areas will be available at www.nwo.usace.army.mil and from local emergency management offices.
- During our flood response activities throughout the basin, we will provide regular updates directly to the public at OmahaUSACE on Facebook and Twitter.
- Flooded areas are expected to be inundated for several months. Moving water out of the reservoirs is essential to prevent the spillways from being overtopped which would make flooding much worse.
- Our release plan is based on the rain we've already received and the forecasted snow melt. More heavy rain storms could cause major revisions.
- At these levels, additional releases do not significantly change the foot print of the flooding, only the depth.
- Releases from the Missouri River basin will reach the Mississippi basin, but we are coming in about two weeks after the crest and expect the impact to be minimal.

- The amount of rain has nearly filled the reservoirs, doing away with most of the flexibility we had built into our operations for this year.
- Our forecasts are based on the best available information we have at this time, and consider the snowmelt period.
- These peak releases are necessary to manage the reservoir levels to avoid reaching the top of spillway gates.

Platte River Basin

- The Corps has provided technical assistance to the State of Wyoming on the Platte River basin, but has not received a request for advanced measures at this time.

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 10:11 AM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD; Bertino, John J Jr NWO
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Geotechnical staff are on site at Oahe now, taking instrumentation readings. The current forecast is for a new record pool of 1619.3 (old record 1618.7), to occur next week. However, the forecast will be updated later today.

Per NWD Water Management, discharges are being held at 85,000 cfs until advanced measures are completed, and then will be ramped up to 100,000 cfs.

[REDACTED]
-----Original Message-----

From: [REDACTED] HQ02
Sent: Wednesday, May 25, 2011 7:03 AM
To: [REDACTED] HQ02; Farhat, Jody S NWD02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

AREA OF CONCERN -- Is Oahe moving South?

We had embankment movement the last time we had high water at Oahe. This needs to be watched.

[REDACTED] -- Any comments?

[REDACTED]
Dam Safety Program Manager, Emeritus
HQS, US Army Corps of Engineers
[REDACTED] (Office)
[REDACTED] (Cell)

-----Original Message-----

From: [REDACTED] HQ02
Sent: Wednesday, May 25, 2011 8:00 AM
To: Farhat, Jody S NWD02; Shepp, David L HQ02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02;
[REDACTED] NWD02; [REDACTED] NWD02

Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Much appreciate that summary. For Garrison and Oahe record releases, is there record pools as well?

Thanks,

[REDACTED]
National Dam Safety Program Manager

US Army Corps of Engineers - HQ

[REDACTED] (office)

[REDACTED] (cell)

[REDACTED]@usace.army.mil

-----Original Message-----

From: Farhat, Jody S NWD02

Sent: Wednesday, May 25, 2011 7:30 AM

To: [REDACTED] HQ02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;

[REDACTED] NWD02; [REDACTED] NWD02

Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] - I wasn't aware of the requirement.

Here's a snapshot for this morning.

Fort Peck: 2245.3, up 0.6 feet since ydy; top of gates 2250; current release rate 10,000 cfs
Garrison: 1850.7, up 0.3 feet; top of gates 1854; current release rate 70,000 cfs (record release)

Oahe: 1617.9, up 0.2 feet; top of gates 1620; current release 65,000 cfs (record release) Big Bend - normal operations Fort Randall: 1356.0, up 0.5 feet; top of gates 1375; current release rate 59,000 cfs Gavins Point - normal operations; current release rate 60,000 cfs

Big bend and Gavins Point have very little flood control storage and are currently within the normal operating range. Releases from Garrison to Gavins Point will be increased to the 85,000 cfs range over the coming week to two weeks.

Jody

-----Original Message-----

From: [REDACTED] HQ02

Sent: Wednesday, May 25, 2011 3:41 AM

To: Farhat, Jody S NWD02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;

[REDACTED] HQ02

Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Importance: High

Classification: UNCLASSIFIED

Caveats: NONE

Hi Jody-you need to be sending HQ daily reservoir summaries when you're experiencing flooding. Please copy all of us on the cc line above. Also, we need them by 0830 EDT to have them in time to be of use at the 0900 UOC briefing.
The EM chain isn't sufficient, we need info via the H&H chain. Know that we're not picking on you--everyone is expected to keep us posted during flooding.
Thanks for your help with this.

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 10:25 PM
To: [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
Looks like NWD is not reporting to the UOC or HQ.

[REDACTED]
Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone [REDACTED]
Cell [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 6:16 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

See note below.

[REDACTED]
[REDACTED]
Chief Engineering and Construction
HQ U.S. Army Corps of Engineers
Office: [REDACTED]
Cell: [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 10:19 AM

To: Grisoli, William T MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; Smith, Thomas P COL HQ02; LeMaster, Darren D MAJ HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYSA.....

[REDACTED]
[REDACTED]
Director Civil Works, USACE
(W) ([REDACTED])
(Cell) ([REDACTED])
[REDACTED]@us.army.mil

-----Original Message-----

From: [REDACTED] HQ
Sent: Tuesday, May 24, 2011 8:38 AM
To: [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYI

[REDACTED]
Deputy Chief (Civil Works)
Northwestern Division
Regional Integration Team (RIT)
U.S. Army Corps of Engineers
441 G Street, NW
3C93
Washington, D.C. 20314-1000

[REDACTED] (voice)
[REDACTED] (fax)
[REDACTED] (mobile)

[REDACTED]@usace.army.mil

-----Original Message-----

From: U.S. Army Corps of Engineers [mailto:kevin.r.quinn@usace.army.mil]
Sent: Monday, May 23, 2011 6:29 PM
To: [REDACTED] NWK
Subject: Lots more water coming down the Missouri River - now!

<file:///C:/DOCUME~1/g6pa9krq/LOCALS~1/Temp/msohtmlclip1/01/clip_image001.jpg>

U.S. ARMY CORPS OF ENGINEERS
BUILDING STRONG®
NEWS RELEASE

For Immediate Release: May 23, 2011
Contact: Kevin R. Quinn 402-995-2419
kevin.r.quinn@usace.army.mil
Jody Farhat 402-996-3840
jody.s.farhat@usace.army.mil

Lots more water coming down the Missouri River - now!

Omaha, Neb. - Repeated rounds of heavy rain across Montana and the Dakotas, coupled with far above normal mountain snowpack, have pushed reservoirs to a level which calls for aggressive water releases from Missouri River mainstem dams, said Jody Farhat, Chief of the Corps' Missouri River Basin Water Management Division in Omaha.

"The upper Missouri River is seeing dramatic increases in flows, particularly after as much as eight inches of rain fell over the weekend in portions of eastern Montana and western North Dakota," Farhat said. "Unusually heavy precipitation, combined with late season heavy snowpack in parts of the Missouri Basin, means we will see near-record runoff in the Missouri basin."

Farhat thinks it is possible that Garrison Dam may be within a foot of the top of its spillway gates by this time next week. "We're beginning to make some major adjustments to water releases, starting with Fort Peck south to Gavins Point Dam and expect to do so for some time since the extended forecast is calling for more of the same."

Garrison Dam releases were increased to 60,000 cubic feet per second (cfs) today and will be stepped up until they reach 75,000 cfs on Wednesday. At the same time, releases from the upstream reservoir Fort Peck will be reduced from the current rate of 20,000 cfs to 10,000 cfs to help stem the rise of Garrison reservoir. Garrison reservoir is expected to reach 1853 feet by this weekend due to the high flow on the Yellowstone and Little Missouri Rivers. Fort Peck reservoir is also climbing rapidly due to weekend's rainfall and low elevation snowmelt. It is expected to rise 2 feet this week, reaching 2246 by the weekend.

Oahe Dam releases will transition from 60,000 cfs today to 70,000 cfs by mid-week. Farhat expects the Oahe reservoir to reach 1618 feet by the weekend and continue to slowly drift upward over the next few weeks, perhaps peaking in mid-June. The record pool at Oahe is 1618.7 feet, set in 1995 and repeated in 1996. The peak pool level in 1997 was 0.1 foot lower at 1618.6.

Fort Randall has some space to store water, but the river reach between there and Gavins Point is already at bankfull. Gavins Point releases were increased to 60,000 cfs this afternoon and will be slowly ramped up over the coming days, possibly reaching 75,000 cfs in June unless conditions improve. This will eventually necessitate a similar magnitude increase in Fort Randall's releases.

Travel time for water released from Garrison Dam to reach the Bismarck area is about 36 hours. River managers are expecting stages of approximately 16.5 to 17 feet in the Bismarck area when the river stabilizes. The Corps' Omaha District office has deployed technical teams to help prepare for flood fighting around Bismarck and to assess the flood potential in the Pierre area.

"As already seen in other parts of the nation, high water years always bring pain and suffering with them," said Farhat. "We are doing everything we can to protect people and their property and reduce the extent and impact of flood stages along the Missouri. The situation in the Missouri River basin is changing rapidly and planned releases are subject to change with little notice." Residents who live and work in flood-prone areas should remain vigilant and be prepared to follow recommendations from their local emergency management offices.

For more information, visit the Spring 2011 Flood Response site at www.nwo.usace.army.mil.

###

<<http://us.vocuspr.com/Url.aspx?520028x486114x-457220>>

If you would rather not receive future communications from U.S. Army Corps of Engineers, let us know by clicking here. <<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x315969x3x1875270x24000x6&Email=Steven.A.Fischer%40usace.army.mil>>

U.S. Army Corps of Engineers, 1616 Capitol Ave., Omaha, NE 68102 United States

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] HQ02@NWO
Sent: Friday, May 27, 2011 10:05 AM
To: [REDACTED] NWO; [REDACTED] NWO; Farhat, Jody S NWD02
Subject: Re: Online Form Submittal: How are we Doing? Flood Protection

Radio station talk is already calling for an investigation of our withhold information and mismanagement.

[REDACTED]

From: [REDACTED] NWO
To: [REDACTED] NWO; [REDACTED] HQ02@NWO
Sent: Fri May 27 06:57:39 2011
Subject: Fw: Online Form Submittal: How are we Doing? Flood Protection

Just for your situational awareness, as this relates to the concerns we discussed yesterday about levee alignments along the river.

Message sent via my BlackBerry Wireless Device

From: [REDACTED] CIV NG NDARNG [REDACTED]@us.army.mil>
To: gdavid@nd.gov <gdavid@nd.gov>; CHokenst@nd.gov <CHokenst@nd.gov>; MBulling@nd.gov <MBulling@nd.gov>; [REDACTED] NWO
Cc: jheintz@nd.gov <jheintz@nd.gov>; [REDACTED] MIL NG NDARNG <[\[REDACTED\]@us.army.mil](mailto:[REDACTED]@us.army.mil)>
Sent: Fri May 27 06:33:16 2011
Subject: Re: Online Form Submittal: How are we Doing? Flood Protection

Acknowledged, we'll share with leadership
Pro
NDNG

From: David, Gloria A.
To: Hokenstad, Carl D. ; Bullinger, Mel J. ; [REDACTED] (<[\[REDACTED\]@usace.army.mil](mailto:[REDACTED]@usace.army.mil)>)
Cc: Heintz, Jeff G. ; [REDACTED] CIV NG NDARNG
Sent: Fri May 27 08:29:56 2011
Subject: Online Form Submittal: How are we Doing? Flood Protection

Good morning all. I am forwarding this information to you as the citizen has requested. No action is requested from the citizen. Please see information below.

Gloria David

Public Information Officer

City of Bismarck

PO Box 5503

221 N 5th St.

Bismarck ND 58506-5503

Phone 701-355-1306 (0)

Cell 701-220-2470

Fax 701-222-6470

"Be First. Be Right. Be Credible"

The following form was submitted via your website: How are we Doing?

First Name: Tom

Last Name: Mayer

Address 1: : [REDACTED]

Address 2::

City: Bismarck

State: ND

Zip Code: 58501

Email: [REDACTED]

Phone Number: [REDACTED]

Fax Number:

Comments: How are you doing regarding flood protection? Lousy. I just returned from helping friends and neighbors of theirs sandbag on the west side of their homes along Southport Loop. I helped another friend on South Bay Court. When returning from there and also when looking at the recent flood map I noticed a dike along River Road about five feet high east of all the homes in South Port and the Pier restaurant. In other words the citizens and taxpayers who live on the east side of the dike are abandoned to the whims of the Corps releases from Garrison Dam. The dike could just as easily been built along the rip rap on the river on the west side of all the homes in South Port and South Bay. Who made the decision to not protect

those city residents? The decision is immoral. The City leaders and the emergency managers and anyone else who had input into that decision is complicit in the immorality. Many of those residents are in their 60s and 70s. They are getting no help from the Guard or as far as I could tell the City. They order their own sandbags and sand and fill them and place them with the help of friends and neighbors. They pay healthy real estate taxes but they have been shafted as far as flood protection is concerned. This is abominable. The people who made this decision should be ashamed of themselves. You could have done better by these citizens. Along the rip rap west of these homes there is at least a 15 foot lawn between the river and the homes. Equipment could have placed the diking west of the homes. I want this e-mail sent to all the city commissioners, the city planner, the head of public works and the Guard and Corps. They all share in responsibility for the consequences of this callous decision. Tom Mayer

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 9:59 AM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD02; Johnston, Paul T NWO; [REDACTED] NWD02; [REDACTED] NWD02
Subject: Lower Missouri River stage ranges with GAPT releases of 110,000 cfs (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

This changes the hand-written notes I gave out Wednesday showing Sioux City stages with 110,000 cfs from GAPT being 3'-4' BELOW flood stage. It is now 2-4' ABOVE flood stage. We'll get something formal together, and keep it updated as we continue to get measurements. In the meantime, use what I've listed below:

Note 1: We're only loading the base rating curves and then shifting them as measurements come in from the USGS (in case you're asked why the COE flows are different from the USGS flows).

Note 2: Channel conveyance capacities may change drastically over the next few weeks with these extremely high releases.

=====
As of Friday, May 27th

With a Gavins Release of 110 cfs, with NORMAL precipitation:

Sioux City, FS=30, stage range of 32-34'
Decatur, FS=35, stage range of 37-39'
Omaha, FS=29, stage range of 30-32'
NebCity, FS=18, stage range of 24-26'
Rulo, FS=17, stage range of 23-24'
St Joe, FS=17, stage range of 23-25'
Kansas City, FS=32, stage range of 26-30' (only one BELOW FS) Waverly, FS=20, stage range of 24-27'
Boonville, FS=21, stage range of 23-27'
Hermann, FS=21, stage range of 24-27'

[REDACTED]

[REDACTED]

Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE

[REDACTED]

[REDACTED] (fax)

-----Original Message-----

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 9:18 AM
To: [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO
Subject: Sioux City and Decatur ratings. (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Joe Gorman extended both Sioux City and Decatur to 200,000 cfs and submitted new rating curves to the USGS Ratings Depot. I loaded the new base rating curves to Oracle this morning (Sioux City #11.0 and Decatur #8.0), so the calculated flows at Sioux City are much, much better now. It should help us greatly with our FUI forecasts. I believe he also extended Omaha to 400,000 cfs.

[REDACTED]
[REDACTED]
USACE, Northwestern Division
Missouri Basin Water Management Division
[REDACTED]

[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 9:57 AM
To: Farhat, Jody S NWD02; Schenk, Kathryn M NWO
Cc: [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO;
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: Fort Peck Rise (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody and Katie:

Based on how fast our reservoir is rising at 0.5 ft/day, looks like we will be at 2249 by Wednesday. We plan on opening all 16 gates an equal amount when you give us the word to start back up on releases. For 25,000 cfs at the spillway that is 1.6 ft.

[REDACTED]
U.S. Army Corps of Engineers
Operations Project Manager
Fort Peck Project
Fort Peck, Montana 59223
PH: [REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Winchester, Cody [cwinchester@argusleader.com]
Sent: Friday, May 27, 2011 9:45 AM
To: Farhat, Jody S NWD02
Subject: Argus Leader

Jody,

Wondering if I could have 10 minutes of your time today to talk about some broader issues re Missouri River management in light of high flows. If you are available, please call me at the number below.

Thanks,
Cody Winchester
Sioux Falls Argus Leader
cwincheste@argusleader.com
605-331-2320

NWO

From: Rick Barnes [rickey@barnesrealty.com]
Sent: Friday, May 27, 2011 9:10 AM
To: Farhat, Jody S NWD02
Subject: maps of flooding along the missouri river

the news release indicates that maps of flooded areas will be available and gives a website.
This is the link I am referring to:
<https://exchange.getapps.net/owa/redir.aspx?C=cb8bd7ac516f44718dc5f63cb2d09bd0&URL=http%3a%2f%2fwww.nwo.usace.army.mil> <<http://www.nwo.usace.army.mil>>

I went there and couldn't find any maps. Can you be of assistance, please.

Rick Barnes
Barnes Realty
18156 Highway 59
Mound City, MO 64470
Cell Phone: 660-572-0018

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 8:56 AM
To: [REDACTED] NWD02
Cc: Farhat, Jody S NWD02
Subject: RCC Phone numbers (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]

Sorry about the calls last night. Please send an updated phone list for RCC and any guidance on who should be contacted and when.

Our operators have been told to monitor discharges to assure we hit our 24hr discharge schedules and maintain lake levels at ~EL1419.

Let me know if you have any additional guidance.

Thanks,

[REDACTED]
Operations Project Manager
Big Bend Project
"The Jewel on the Missouri River"

[REDACTED]
[REDACTED] Fax

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 8:52 AM
To: DLL-CENWD-PDR
Subject: FW: State Emergency Contact Numbers.docx (UNCLASSIFIED)
Attachments: State Emergency Contact Numbers.docx

Classification: UNCLASSIFIED
Caveats: NONE

MRBWM,

Please print this out and have it handy when speaking to the public.

- [REDACTED]
[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE
[REDACTED]
[REDACTED] (fax)

-----Original Message-----

From: Williamson, Eileen L NWO
Sent: Friday, May 27, 2011 8:45 AM
To: [REDACTED] NWO; [REDACTED] NWO
Cc: DLL-CENWO-PAO; Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02;
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO; [REDACTED] NWO
Subject: State Emergency Contact Numbers.docx (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Attached is a list of web sites and phone numbers for state emergency management agencies.

For those who are getting calls from the public, this will help you give them a number to call for state-level information.

This information is also available on the Corps Facebook page under the State, County and Local agencies tab.

I can add this as a page to the flooding web site too, if you feel it would be helpful.

Eileen

Eileen L. Williamson

Public Affairs Specialist

U.S. Army Corps of Engineers

Office: 402-995-2417

Mobile: 402-779-1448

eileen.l.williamson@usace.army.mil

Internet: nwo.usace.army.mil <<https://www.nwo.usace.army.mil/>>

Facebook: [facebook.com/OmahaUSACE](https://www.facebook.com/OmahaUSACE) <<http://www.facebook.com/OmahaUSACE>>

Twitter: [twitter.com/OmahaUSACE](https://www.twitter.com/OmahaUSACE) <<http://www.twitter.com/OmahaUSACE>>

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

State Emergency Contact Numbers

These web sites and phone numbers are also available on our Facebook page (OmahaUSACE) under the State, County and Local agencies tab.

- **Iowa**
 - www.iowahomelandsecurity.org
 - 515.725.3231
- **Montana**
 - dma.mt.gov/des
 - 406.324.4777
- **Nebraska**
 - www.nema.ne.gov
 - 24-hour operations - 402. 471.7421
 - 24-hour emergency - 402.499.1219
 - 24-hour emergency - 402.499.1227
 - State EOC - 877.297.2368
- **North Dakota**
 - www.nd.gov/des
 - 701.328.8100
 - 800.773.3259
- **South Dakota**
 - www.breadysd.com
 - 605.773.3231
 - 877.579.0015
- **Wyoming**
 - wyohomelandsecurity.state.wy.us
 - 307.777.4663 (HOME)

[REDACTED] NWO

From: Williamson, Eileen L NWO
Sent: Friday, May 27, 2011 8:45 AM
To: [REDACTED] NWO; [REDACTED] NWO
Cc: DLL-CENWO-PAO; Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO
Subject: State Emergency Contact Numbers.docx (UNCLASSIFIED)
Attachments: State Emergency Contact Numbers.docx

Classification: UNCLASSIFIED
Caveats: NONE

Attached is a list of web sites and phone numbers for state emergency management agencies.

For those who are getting calls from the public, this will help you give them a number to call for state-level information.

This information is also available on the Corps Facebook page under the State, County and Local agencies tab.

I can add this as a page to the flooding web site too, if you feel it would be helpful.

Eileen

Eileen L. Williamson

Public Affairs Specialist

U.S. Army Corps of Engineers

Office: 402-995-2417

Mobile: 402-779-1448

eileen.l.williamson@usace.army.mil

Internet: nwo.usace.army.mil <<https://www.nwo.usace.army.mil/>>

Facebook: [facebook.com/OmahaUSACE](https://www.facebook.com/OmahaUSACE) <<http://www.facebook.com/OmahaUSACE>>

Twitter: [twitter.com/OmahaUSACE](https://www.twitter.com/OmahaUSACE) <<http://www.twitter.com/OmahaUSACE>>

State Emergency Contact Numbers

These web sites and phone numbers are also available on our Facebook page (OmahaUSACE) under the State, County and Local agencies tab.

- **Iowa**
 - www.iowahomelandsecurity.org
 - 515.725.3231
- **Montana**
 - dma.mt.gov/des
 - 406.324.4777
- **Nebraska**
 - www.nema.ne.gov
 - 24-hour operations - 402. 471.7421
 - 24-hour emergency - 402.499.1219
 - 24-hour emergency - 402.499.1227
 - State EOC - 877.297.2368
- **North Dakota**
 - www.nd.gov/des
 - 701.328.8100
 - 800.773.3259
- **South Dakota**
 - www.breadysd.com
 - 605.773.3231
 - 877.579.0015
- **Wyoming**
 - wyohomelandsecurity.state.wy.us
 - 307.777.4663 (HOME)

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 8:08 AM
To: [REDACTED] NWO
Cc: Farhat, Jody S NWD02; Johnston, Paul T NWO; Williamson, Eileen L NWO
Subject: RE: (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Eileen is working on it.

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 8:05 AM
To: [REDACTED] NWO
Cc: Farhat, Jody S NWD02; Johnston, Paul T NWO
Subject:

Ryan,

Please compose a list of the State EOC 24 hour numbers so that they can refer calls to them.

Thanks,

[REDACTED]
[REDACTED]
Chief, Readiness Branch
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 8:05 AM
To: [REDACTED] NWO
Cc: Farhat, Jody S NWD02; Johnston, Paul T NWO

[REDACTED]

Please compose a list of the State EOC 24 hour numbers so that they can refer calls to them.

Thanks,

[REDACTED]
[REDACTED]
Chief, Readiness Branch
[REDACTED]

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Friday, May 27, 2011 7:40 AM
To: [REDACTED] NWO
Cc: Farhat, Jody S NWD02
Subject: RE: Talking Points (UNCLASSIFIED)
Attachments: 2011 Missouri River Flood Talking Points 26 May 2011.docx

Classification: UNCLASSIFIED

Caveats: NONE

Chris,

See attached.

[REDACTED]
[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE

[REDACTED] (fax)

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 7:26 AM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Jody,

Can I please have a copy of your talking points for my meeting with NEMA and NDNR in Lincoln this morning?

Thanks - [REDACTED]

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

2011 Missouri River Flood Talking Point

26 May 2011 - 8 a.m.

Background

- Huge rain event over the past two weeks in eastern Montana, northern Wyoming and the western Dakotas
 - As much rain in the past month as this region gets in a normal year
 - 300 - 600 percent of normal
- Runoff from the rain has use up much of the storage we intended to utilize to manage the snowmelt runoff
- Snowpack peaked late, at 135 to 140 percent of normal, and has only just begun to runoff into the system.
- Release forecasts issued over the past several days were looking at short term, immediate changes we needed to handle the rainfall event
- Now we've had a chance to look at the longer range forecast to determine what we need to do to manage the snowmelt runoff that is poised to come into the reservoir system

Snowmelt

- With the reservoirs this full, timing of the snowmelt runoff and reservoir releases is critical
 - Similar snowpack to other high water years – the record runoff year of 1997 and 1975 when we set record pool levels at Fort Peck and Garrison
 - Used the timing and shape of those snowmelts applied to the runoff expected in 2011 to estimate daily inflows and releases for the reservoirs
 - Applied to current reservoir conditions

Releases

- Increased releases well above those previously announced are necessary at all six mainstem dams
- Increased releases are needed to manage the reservoir levels to avoid reaching the top of the spillway gates
 - If reservoirs reach the top of the spillway gates, inflow equal outflow
- This plan is based on what we know today looking out the next 60-day snowmelt window
 - As always, subject to change based on changing weather conditions
- Anticipating releases at all reservoirs except Fort Peck to eventually reach the 110 kcfs range
 - 120 kcfs possible system wide
 - Would increase stages about 0.7 feet in most areas

Reservoir Specific Releases

- Fort Peck
 - Releases reaching 40 kcfs in early June, peaking out at 50 kcfs by early July
 - Peak reservoir level within 1 foot of the top of spillway gates

- Garrison
 - Increase to 85 kcfs on schedule provided previously
 - Hold 85,000 cfs through approximately 9 June
 - Step up to 105 kcfs by mid to late June
 - Peak reservoir level at top of spillway gates
- Oahe
 - Increase to 85 kcfs on schedule provided previously
 - Hold 85,000 cfs through 3 June
 - Step up to 100 kcfs by 6 June
 - Eventually reaching 110 kcfs by late June – early July
 - Peak reservoir level within 1 foot of the top of the spillway gates
- Big Bend
 - Increase release to 85 kcfs on schedule provided previously
 - Step to 90,000 next week
 - Eventually reaching 110 kcfs by late June – early July
 - Normal operating level for reservoir – no flood control storage
- Fort Randall
 - Increase to 82.5 kcfs on schedule provided previously
 - Releases gradually increased to 108 kcfs by late June – early July
 - Peak reservoir level 1364.5
- Gavins Point
 - Increase to 85 kcfs on schedule provided previously
 - Releases gradually increased to 110 kcfs by late June – early July
 - Normal operating level for reservoir – no flood control storage

Summary

- Forecast is based on best available information at this time and considers snowmelt period which previous estimates did not
- Releases of 110 kcfs are certain for lower 5 dams
- 120 kcfs across the system within the realm of possibility and is what we will be building to at any projects we are involved in
- These peak releases are absolutely necessary to manage the reservoir levels to avoid reaching the top of the spillway gates even if climatic conditions were to change suddenly for the better
- Release schedule firm for initial increases to 85,000 cfs; beyond that there will be shifts in timing based on conditions on the ground.
- Omaha and Kansas City Districts are working on flood inundation mapping which will be shared with local officials

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 7:39 AM
To: Farhat, Jody S NWD02
Subject: RE: Notes (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I totally understand - I even felt bad about emailing you asking you for the notes because I know you are swamped.

Have a great day Jody!

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Thursday, May 26, 2011 9:34 PM
To: [REDACTED] NWO
Subject: RE: Notes (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sorry for the delay, got quite a bit of email to catch up on

-----Original Message-----

From: [REDACTED] NWO
Sent: Thursday, May 26, 2011 2:44 PM
To: Farhat, Jody S NWD02
Subject: Notes (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Hi Jody,

Could you please send me the notes that you sent out last night for today's congressional call?

Thanks!

[REDACTED]
[REDACTED]
Outreach Specialist
Planning Branch
Corps of Engineers, Omaha District
1616 Capitol Avenue
Omaha, NE 68102
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 7:26 AM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Jody,

Can I please have a copy of your talking points for my meeting with NEMA and NDNR in Lincoln this morning?

Thanks - [REDACTED]

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Klippenstein, Brian (Blunt) [Brian_Klippenstein@blunt.senate.gov]
Sent: Friday, May 27, 2011 5:35 AM
To: Farhat, Jody S NWD02
Cc: [REDACTED] NWK
Subject: Re: Latest on Missouri (UNCLASSIFIED)

Thanks for update Jody.

From: Farhat, Jody S NWD02 [mailto:Jody.S.Farhat@usace.army.mil]
Sent: Friday, May 27, 2011 12:04 AM
To: Klippenstein, Brian (Blunt)
Cc: [REDACTED] NWK [REDACTED]@usace.army.mil>
Subject: RE: Latest on Missouri (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Brian, Sorry for the delay getting back to you. I'm sure by now you've heard that eventually we will be increasing releases to 110,000 cfs from Gavins Point dam. The plan is to get to about 85,000 cfs late next week, hold for about a week, then in mid June start stepping up to reach 110,000 cfs by late June to early July. This will result in stages 3 to 6 feet above flood stage for much of the summer. Omaha and Kansas City will be developing flood inundation mapping for the lower river over the next week and determining impacts to levees and lands along the river.

There's a NWK CODEL call tomorrow at 1100 CT and a combined NWO/NWK Codel call Saturday morning at 0800 CT. I'm sure you've received the notices, but if not let me know and I'll send you the call in information.

I'm traveling in the upper basin with BG McMahon the next two days. Bismarck ND and Pierre SD will have major flooding. If you have any questions give me a call on my cell. Leave a message if I don't pick up; I'll call you back first chance I get.

Regards,

Jody

Jody Farhat, P.E.

Chief, Missouri River Basin Water Management

jody.s.farhat@usace.army.mil

Office: 402-996-3840

Cell: 402-350-1417

Home: [REDACTED]

From: Klippenstein, Brian (Blunt) [<mailto:Brian.Klippenstein@blunt.senate.gov>]
Sent: Thursday, May 26, 2011 2:33 PM
To: Farhat, Jody S NWD02
Subject: Latest on Missouri

Daily discharge statistics, in cfs, for May 26 based on 53 years of record more
<http://waterdata.usgs.gov/mo/nwis/dvstat/?site_no=06893000&por_06893000_4=834166,00060,4>

Min
(2006)

25th
percen-
tile

Median

Mean

75th
percen-
tile

Max
(1995)

Most Recent
Instantaneous
Value May 26

36500

51600

68100

75200

101000

162000

168000

Jody, this is USGS table which looks ominous, and is this before another big increment of release upstream due to bulging lakes? What is the prognosis?

Klip

816 471 7141

Classification: UNCLASSIFIED
Caveats: NONE

Burke, Linda F NWO

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 2:36 PM
To: ~~Bartine, John J Jr NWO; Clemetson, Doug J NWO; Thomas, Kimberly S NWO~~
Subject: update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Joel's nearly done crunching numbers. Just adding one rainfall event like the one 2 weekends ago pushed the releases up to 150,000. He's working on upping the snowmelt runoff by 10 percent in addition to the rain to give us a range. Should have something soon and we'll come up to the EOC to discuss.

Jody Farhat, P.E.
Chief, Missouri River Basin Water Management

~~jody.s.farhat@usace.army.mil~~
~~Office: 402-996-3840~~
~~Cell: 402-350-1417~~
~~Home: 402-551-6013~~

Classification: UNCLASSIFIED
Caveats: NONE

Burke, Linda F NWO

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 7:07 PM
To: Curran, Thomas J NWO
Subject: RE: Lake Francis Case Level (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

1363 by June 11; 1365 July 4 1366 by mid July

Here's the link to the 3-week

<http://www.nwd-mr.usace.army.mil/rcc/reports/twout.html>

Jody

-----Original Message-----

From: Curran, Thomas J NWO
Sent: Saturday, May 28, 2011 5:23 PM
To: Farhat, Jody S NWD02; Knofczynski, Joel D NWD02; Swenson, Michael A NWD02
Subject: Lake Francis Case Level (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Any forecast for Francis Case pool level in this new run? Thanks, Tom

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 7:52 PM
To: [REDACTED]
Subject: Re: Travel time garrison to pierre

The pool level is expected to rise about a foot over the next week. It should not be impacted by garrison releases since the flows will be passed through oahe

----- Original Message -----

From: [REDACTED]
To: Farhat, Jody S NWD02
Sent: Sat May 28 17:45:47 2011
Subject: Re: Travel time garrison to pierre

He said it was in the pool.

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED]
Sent: Sat May 28 17:40:09 2011
Subject: Re: Travel time garrison to pierre

Is it in the pool or on the river?

----- Original Message -----

From: [REDACTED]
To: Farhat, Jody S NWD02
Sent: Sat May 28 17:36:57 2011
Subject: Travel time garrison to pierre

USBR has Echo Point pumping plant in Oahe pool at Pierre that they are worried about. I told them normal travel time is 6 days. We (USBR and I) were thinking 3-4 days with the higher flows, is that reasonable?

Missouri River Basin Water Management Situation Report – 5-28-11

Reservoir Conditions

The upper three reservoirs of the Missouri River Mainstem Reservoir System provide the bulk of the storage of water. All three are in their exclusive flood control zones, nearing their spillway crests. Table 1 summarizes the situation as of 000 hours this morning.

Table 1. Daily Update of Key Reservoir Data (through 0000 hrs 5/28/11)

Reservoir	Inflow kcfs	Release kcfs	Top of Spillway Gates feet msl	Current Level feet msl	24-hr Change feet
Fort Peck	75,000	9,900	2250	2246.9	0.6
Garrison	165,000	78,700	1854	1852.1	0.5
Oahe	123,000	79,200	1620	1618.3	0.4
Big Bend	75,000	72,800	1423	1419.3	0.1
Fort Randall	88,000	67,000	1375	1357.7	0.5
Gavins Point	68,000	65,100	1210	1206.9	0.2

River Conditions

The cities of Bismarck, ND and Pierre, SD are preparing for flood stages on the Missouri River resulting primarily from the releases from Garrison and Oahe Dams, respectively. Many communities along the lower Missouri River are currently experiencing Missouri River flows that are above flood stage by several feet. The flood stages currently being experienced will be exceeded as Missouri River Mainstem Reservoir System releases increase over the next few weeks to pass the anticipated inflows from mountain snowpack runoff and heavy rains in the Missouri River basin. Table 2 summarizes the current conditions as of 0600 hours this morning and the Corps' forecast for the lower river up through 6/11/11, based on 130,000 cfs from Gavins Point Dam on 6/10/11 or earlier (depends on distance downstream from dam).

Table 2. Daily Update of Missouri River Stage Data 5/28/11 0600 CDT

Location	Flood Stage	Current Stage	Forecasted Crest Stage	Date of Crest Stage
Bismarck, ND	16	15.8	21.5	mid-Jun
Pierre, SD	15	14.8	21.0	mid-Jun
Sioux City, IA	30	26.7	33.9	9-Jun
Decatur, NE	35	32.3	38.0	10-Jun
Omaha, NE	29	28.5	32.2	10-Jun
Nebraska City, NE	18	22.8	25.1	10-Jun
St. Joseph, MO	17	20.3	23.8	11-Jun
Kansas City, MO	32	24.1	26.7	11-Jun
Waverly, MO	20	24.1	24.2	11-Jun
Boonville, MO	21	26.1	21.9	11-Jun
Hermann, MO	21	26.4	22.2	11-Jun

Forecasted System Reservoir Releases

Releases from the Missouri River Mainstem Reservoir System are in an ever-increasing flux due to recent heavy rainfall in the eastern Montana and western North Dakota region and a mountain snowpack the remains well above normal levels at this point in time. Considerable effort was undertaken today to address a heavy rainfall forecast over the next 5 days over eastern Montana and the melting and runoff of mountain snowpack. At this time, the forecast is to start ramping up the releases from the current levels shown in Table 1 to 50,000 cfs at Fort Peck and 150,000 cfs at the other five System reservoirs by mid-June. Phone calls were held with Congressionals, Tribes, and the States this afternoon with the Northwestern Division and Omaha District commanders on the call after returning from Pierre, SD. About an hour later, a call was also set up with the media to begin getting these new numbers out for public knowledge. The specifics of the System data forecast in terms of reservoir levels, inflows, and releases are available on the Missouri River Basin Water Management website at: <http://www.nwd-mr.usace.army.mil/rcc/reports/twout.html>.

Actions Underway to Prepare for the Releases

The Omaha District is working with the cities of Bismarck/Mandan, ND and Pierre, SD to construct levees to limit flood impacts to those cities. During a call this evening with Congressionals, Tribes, and the States, the Standing Rock Tribe requested assistance with potential flooding issues for the only road leading into Fort Yates, ND on the reservation. Technical information is being provided to the agencies and emergency managers so that actions can be taken to mitigate any impacts due to the rising stages throughout the System and on the lower Missouri River. Floodplain inundation maps are currently being prepared by the Omaha and Kansas City Districts for release to those wanting them by tomorrow (Sunday) or Monday to identify the areas of potential flooding for the emergency managers and the public.

Some relief is being provided to Garrison Reservoir as water is being moved to Lake Audubon, an adjacent reservoir operated by the Bureau of Reclamation. At approximately 1200 hours today, pumping was initiated from Garrison Reservoir into Lake Audubon at maximum practicable levels. Also an open gate in the control structure was adjusted to the fully open position to provide gravity flow from Garrison Reservoir into Lake Audubon. The Lake Audubon pool is currently at a level of 1847.0 and Garrison Reservoir is currently at a pool level of 1852.1. The Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day. The final pool level for Lake Audubon has not been determined, although it will likely be in the range of 1850 to 1854 feet msl. Over the next several days agency coordination will continue to determine the final target pool level for Lake Audubon.

[REDACTED]

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 9:57 PM
To: [REDACTED]
Cc: [REDACTED]; Phelps, Linda M NWO; Bergman, Kellie K NWO; Grode, Kevin R NWD02; Farmer, Monique I NWO; Remus, John I NWO
Subject: Re: Draft Press Release - Lake Audubon (UNCLASSIFIED)

Yes, that is accurate.

Jody

----- Original Message -----

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]; Phelps, Linda M NWO; Bergman, Kellie K NWO; Grode, Kevin R NWD02; Farmer, Monique I NWO; Remus, John I NWO; Farhat, Jody S NWD02
Sent: Sat May 28 19:53:14 2011
Subject: RE: Draft Press Release - Lake Audubon (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

All, Guess I was not aware that we were looking at several feet of surcharge at Garrison as indicated in the press release. Is this accurate?

-----Original Message-----

From: [REDACTED]; [REDACTED], Timothy E NWO
Sent: Saturday, May 28, 2011 6:54 PM
To: [REDACTED]; Grode, Kevin R NWO
Cc: [REDACTED]; Phelps, Linda M NWO; Bergman, Kellie K NWO; Grode, Kevin R NWD02; Lindquist, Todd J NWO; Farmer, Monique I NWO; Remus, John I NWO; Farhat, Jody S NWD02
Subject: RE: Draft Press Release - Lake Audubon

Attached is final press release for Lake Audubon.

-----Original Message-----

From: [REDACTED]; [REDACTED], Timothy E NWO
Sent: Saturday, May 28, 2011 6:08 PM
To: [REDACTED]; Grode, Kevin R NWO
Cc: [REDACTED]; Phelps, Linda M NWO; Bergman, Kellie K NWO; Grode, Kevin R NWD02; Lindquist, Todd J NWO
Subject: Draft Press Release - Lake Audubon

Here is draft press release for Lake Audubon. I will have others review while you develop final draft.

Thanks,

[REDACTED]
Hydraulic Engineer

Water Control & Water Quality Section

25-2400 (office)

25-2400 (cell)

Classification: UNCLASSIFIED

Caveats: FOUO

[REDACTED]

From: Farhat, Jody S NWD02
Sent: Sunday, May 29, 2011 9:08 AM
To: [REDACTED]
Subject: FW: Missouri River Basin Update--28 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

We need to talk to Joan and make sure they're aware of our rapidly changing conditions. We also need to light the fire under NWK Water Management.

Jody

-----Original Message-----

From: Walsh, Michael J MG MVD
Sent: Sunday, May 29, 2011 7:22 AM
To: McMahon, John R BG NWD; Temple, Bo M MG HQ02
Cc: Grisoli, William T MG HQ02; Farhat, Jody S NWD02; Anderson, G Witt NWD; Tipton, Robert A Col NWD
Subject: RE: Missouri River Basin Update--28 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thanks John. We will increase the levels of communications with your staff.

Mike

-----Original Message-----

From: McMahon, John R BG NWD
Sent: Sunday, May 29, 2011 6:15 AM
To: Temple, Bo M MG HQ02
Cc: Grisoli, William T MG HQ02; Walsh, Michael J MG MVD; Farhat, Jody S NWD02; A [REDACTED]
[REDACTED] Tipton, Robert A Col NWD
Subject: Re: Missouri River Basin Update--28 May 2011 (UNCLASSIFIED)

Roger, Sir. We had been connected into MVD thru the WM channels and I believe that continues--will verify. That said, these latest releases and concomitant inflows will undoubtedly affect the entire Missouri Basin and possibly the Mississippi--more to follow on that as the dust (hopefully) has settled on this situation for now. Thanks for all the support!
Vr/John

----- Original Message -----

From: Temple, Bo M MG HQ02
To: McMahon, John R BG NWD
Cc: Grisoli, William T MG HQ02
Sent: Sun May 29 03:45:54 2011
Subject: Re: Missouri River Basin Update--28 May 2011 (UNCLASSIFIED)

Thanks, John, good rundown. Continuous, factual commo will be a key to success (as you have said). Will the lower end of the watershed (vic St Louis) be affected and if so, have you coordinated w/MVD/MVS?

Appreciate all that you and the team are doing. This will be a long fight, so BPT rotate engaged folks in and out as needed. We are prepared to help in that regard. Stay safe - take care!

----- Original Message -----

From: McMahon, John R BG NWD

To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02; S [REDACTED]

Cc: [REDACTED] Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; [REDACTED] Farhat, Jody S NWD02

Sent: Sat May 28 21:10:14 2011

Subject: Missouri River Basin Update--28 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir:

Saw that [REDACTED] submitted a synopsis so I will try not to be redundant--all good.

COL Ruch and I made a visit to Pierre, SD, and spent 3 hours on the ground with Gov, city and state officials--impressive efforts ongoing there and Corps presence from nearby Oahe Dam is making a big positive impact. Gov and I did an aerial tour of the defense lines and Corps contractors were on the ground moving dirt. Bottom line is there is a good plan in place and we are working closely with the local/state team to execute. We also discussed possible mitigation actions at several smaller downstream communities which are being analyzed and prioritized by the team. NOW submitted a new request for an additional \$10M in authority/funding which is being processed as we speak. More to follow on all of this.

Conducted 2 CODEL calls today (0800 and 1630) to outline the situation, update them on developments overnight and then present the amended release plan after we had analyzed the latest inflow data and weather forecasts from NWS. As Karen reported, releases will be going up from 120Kcfs to 150Kcfs between now and mid June, shortening the preparation windows for communities and raising additional concerns about the danger that lurks ahead. Generally, the news is being accepted and dealt with in stride as people seem to understand the weather is the main culprit. We will remain vigilant about keeping officials and citizens informed about the latest developments and adjustments to the release plan. We are generally able to amend existing contracts to build defenses higher and not have to change the lines of defense as a result of these increased releases. Also conducted a Media call-in event which went generally well although we were challenged to explain local reports and reconcile numbers (flow rates, water levels, gauge readings, elevations, past records, etc) that we were not privy to in advance--are working to improve how technical information and concepts of hydrology and hydraulics are conveyed to the media and the public at large. More to follow on this.

Spoke to MO Gov Nixon today about the lower basin flooding expected to come in the near future as a result of our planned higher releases---his intent is to make deliberate plans in coordination with the Corps and local communities to minimize damage to property and farms--COL Tony Hofmann and the NWK Team will work closely with these officials to this end. More to follow on this effort.

As [REDACTED] reported, NWK continues to ramp up for the debris removal and Recovery Field Office mission set working closely with MoARNG and FEMA--Tony Hofmann deploys on Sunday as a location in Joplin for the RFO has been secured and set up. NWD will augment the NWK team as Tony dictates and as momentum is gained in the mission areas.

I am planning to return to Portland Sunday morning but will stay engaged as the situation dictates. Appreciate the great support across the Corps as we work our way through these challenges. The NWD team has been superb and I am proud to be associated with such a talented and dedicated group of professionals.
VR, John

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] HQ02 on behalf of CE-UOC HQ02
Sent: Saturday, May 28, 2011 11:50 PM
To: CENWD-EOC NWD
Cc: DLL-HQ-UOCInternal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; Farhat, Jody S NWD02; Tipton, Robert A Col NWD
Subject: RE: NWD SITREP Summary (Missouri River Basin/Joplin, MO Actions) as of 1800 PST (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

UOC Acknowledges Receipt! Thank you and we will look forward to your NWD Daily Executive Summary Update.

V/R,

[REDACTED]
Operations Officer
HQUSACE Operations Center
202-761-1001

From: CENWD-EOC NWD
Sent: Sunday, May 29, 2011 12:25:33 AM
To: CE-UOC HQ02; CENWD-EOC NWD
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
Farhat, Jody S NWD02; Tipton, Robert A Col NWD
Subject: NWD SITREP Summary (Missouri River Basin/Joplin, MO Actions) as of 1800 PST Auto forwarded by a Rule

HQ UOC,

To help "paint the picture" regarding ongoing actions throughout the NWD AOR, effective today, the NWD RCO will email a daily SITREP to the UOC. A normal SITREP will continue to be released by NWD daily in ENLink, but this is the executive summary for your quick reference.

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River Conditions

The cities of Bismarck, ND and Pierre, SD are preparing for flood stages on the Missouri River resulting primarily from the releases from Garrison and Oahe Dams, respectively. Many communities along the lower Missouri River are currently experiencing Missouri River flows that are above flood stage by several feet. The flood stages currently being experienced will be exceeded as Missouri River Mainstem Reservoir System releases increase over the next few weeks to pass the anticipated inflows from mountain snowpack runoff and heavy rains in the Missouri River basin.

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BLUF:

Fort Peck which is upstream of where the Yellowstone comes into the Missouri (the Yellowstone is the primary big feeder of this new water) - but is also filling as well. The new model calls for Fort Peck to go to 50K CFS as early as 6 June.

Garrison will be at 85K on 30 May and then will ramp up to 120K by 1 June and then to 150K by mid June

Oahe will be at 85K today and then will ramp up to 130K by 5 June and then up to 150K by mid June

Big Bend will be at 85K by 2 June then 130K by 6 June and then 150K by mid June

Fort Randall will be at 82K on 2 June then to 128K by 6 June then 150K by mid June As reported to KDA earlier today, BLUF:

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The Omaha District is working with the cities of Bismarck/Mandan, ND and Pierre, SD to construct levees to limit flood impacts to those cities. During a call this evening with Congressionals, Tribes, and the States, the Standing Rock Tribe requested assistance with potential flooding issues for the only road leading into Fort Yates, ND on the reservation.

Updated Floodplain inundation maps are currently being prepared by the Omaha and Kansas City Districts for release to those wanting them by tomorrow (Sunday) or Monday to identify the areas of potential flooding for the emergency managers and the public. We should be able to provide a more detailed update on the 1500 conference call tomorrow.

Update on ESF-3 support in Joplin, MO:

Main effort is establishing the RFO. I have attached a "Draft" of the organizational structure for the RFO. This is a working document, but I thought sharing with HQ would "paint the picture" for how we are moving forward.

Flooding/Potential flooding in Columbia River Basin.

NSTR for today.

However, the situation throughout the Columbia Basin can best be summarized by reminding everyone that as long as the basin does not receive significantly wet and warm weather in the short term, flooding will remain relatively unchanged from current conditions. The down side, is that with this cooler weather pattern, much of the basin continues to accumulate snow (water) instead of melting snow, which will only prolong and increase the probability of a rapid melt resulting in probable flooding, as all that above average snow pack finally begins to runoff.

Please direct any questions or concerns about flooding or Joplin, MO, to the NWD EOC, or the undersigned.

Please acknowledge Receipt.

V/R

██████████
Contingency Operations Officer
Readiness and Contingency Operations
Northwestern Division
US Army Corps of Engineers
Desk: ██████████
Cell: ██████████

██████████@usace.army.mil

██████████@usace.army.smil.mil

Emergency Satellite Phone: ██████████ Emergency Cell: ██████████

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Classification: UNCLASSIFIED
Caveats: FOUO

NWO

From: CENWD-EOC NWD
Sent: Saturday, May 28, 2011 11:26 PM
To: CE-UOC HQ02; CENWD-EOC NWD
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
Farhat, Jody S NWD02; Tipton, Robert A Col NWD
Subject: NWD SITREP Summary (Missouri River Basin/Joplin, MO Actions) as of 1800 PST
Attachments: MRB Reservoir Bulletin.pdf; Joplin, MO Draft RFO 5-28-2011Org Chart.pdf

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Please acknowledge Receipt.

V/R

[REDACTED]
Contingency Operations Officer
Readiness and Contingency Operations
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US Army Corps of Engineers
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US Army Corps
of Engineers
Omaha District

U.S. Army Corps of Engineers, Omaha District

Missouri River Basin

Mainstem and Tributary Reservoir Bulletin

Project Data Date/Time: 05/28/11 12:00 AM

Bulletin Updated: 5/28/11 11:16 AM

Project	Project Information				Current Data					Occupied Storage		
	Elevations (ft msl)		Storage		Elevation (ft msl)	Dly Elev. Change	Storage (ac-ft)	Inflow (dsf)	Release (dsf)	MP (%)	FC (ac-ft)	FC (%)
	MP	FC	MP	FC								
MRR - Missouri River Mainstem Projects												
*Please note Mainstem and USBR data is calculated manually and will populate before 12:00 p.m.												
Fort Peck	2234.0	2250.0	14,995,684	18,687,731	2246.87	0.55	17,696,000	75,000	9,900	100.0	2,700,316	73.1
Garrison	1837.5	1854.0	18,109,625	23,820,730	1852.09	0.51	23,083,000	165,000	78,700	100.0	4,973,375	87.1
Oahe	1607.5	1620.0	18,834,035	23,136,960	1618.28	0.36	22,487,000	123,000	79,200	100.0	3,652,965	84.9
Big Bend	1420.0	1423.0	1,621,484	1,798,614	1419.33	0.11	1,583,000	75,000	72,800	97.6	0	0.0
Fort Randall	1350.0	1375.0	3,124,368	5,418,186	1357.65	0.48	3,761,000	88,000	67,000	100.0	636,632	27.8
Gavins Point	1204.5	1210.0	320,971	469,928	1206.90	0.23	364,000	68,000	65,100	100.0	43,029	28.9
System Totals							68,974,000					
NWO - USBR Section 7 Projects												
Tiber	2993.0	3012.5	925,649	1,328,723	2988.52	0.76	846,884	6,830	559	91.5	0	0.0
Clark Canyon	5546.1	5560.4	174,367	253,442	5545.18	0.08	169,585	587	380	97.3	0	0.0
Canyon Ferry	3797.0	3800.0	1,891,888	1,992,977	3779.81	0.61	1,353,576	893,872	885,334	71.5	0	0.0
Boysen	4725.0	4732.2	741,594	892,226	4708.19	-0.37	467,981	1,859	4,280	63.1	0	0.0
Buffalo Bill	5393.5	5393.5	646,565	646,565	5347.61	-0.04	323,250	4,205	4,343	50.0	-	-
Yellowtail	3640.0	3657.0	1,070,000	1,328,000	3626.68	1.4	882,076	13,745	7,889	82.4	0	0.0
Jamestown	1429.8	1454.0	31,510	221,000	1448.09	-0.17	149,347	146	1,389	100.0	117,837	62.2
Heart Butte	2064.4	2094.5	67,000	214,000	2068.24	-0.44	80,052	1,181	1,988	100.0	13,052	8.9
Keyhole	4099.3	4111.5	194,000	334,000	4096.42	0.13	162,889	552	0	84.0	0	0.0
Pactola	4580.2	4621.5	56,000	99,000	4583.46	0.13	58,800	471	413	100.0	2,800	6.5
Shadehill	2271.9	2302.0	120,000	350,000	2274.36	-0.02	132,401	1,499	1,553	100.0	12,401	5.4
Glendo	4635.0	4653.0	518,000	790,000	4632.21	0.55	483,894			93.4	0	0.0
NWO - USACE Tributary Projects												
Bowman-Haley	2754.8	2777.0	18,765	91,482	2756.76	-0.23	22,399	246	442	100.0	3,634	5.0
Pipestem	1442.5	1496.3	8,944	142,107	1486.57	-0.06	102,188	59	399	100.0	93,244	70.0
Chatfield	5432.0	5500.0	27,428	234,207	5431.88	-0.06	27,245	42	83	99.3	0	0.0
Cherry Creek	5550.0	5598.0	12,805	133,134	5550.08	-0.02	12,867	14	20	100.0	62	0.1
Bear Creek	5558.0	5635.5	1,882	30,586	5558.40	-0.07	1,924	22	22	100.0	42	0.1
Papio #11	1121.0	1142.0	3,054	16,907	1121.66	-0.01	3,313	9	11	100.0	259	1.9
Papio #16	1104.0	1121.0	1,211	4,782	1104.70	-0.12	1,300	4	11	100.0	89	2.5
Papio #18	1110.0	1128.2	2,916	10,512	1092.20	0.00	262	0	0	9.0	0	0.0
Papio #20	1095.8	1113.1	2,536	8,611	1096.35	-0.05	2,666	2	9	100.0	130	2.1
Cottonwood	3875.0	3936.0	655	8,385	3856.51	-0.01	0	0	0	0.0	0	0.0
Cold Brook	3585.0	3651.4	520	7,200	3582.58	0.00	435	0	0	83.6	0	0.0
Lake Audubon	1847.0	1847.0	323,690	323,690	1846.81	0	INFLOW AND OUTFLOW NOT CALCULATED					
Lake Pocasse	1617.0	1617.0	11,000	11,000	POOL ELEVATION READ MONTHLY BY PROJECT OFFICE							
Salt Creek #02	1335.0	1350.0	1,100	4,957	1333.97	0.00	940	0	0	85.4	0	0.0
Salt Creek #04	1307.4	1322.5	2,531	9,660	1307.35	0.02	2,515	3	0	99.4	0	0.0
Salt Creek #08	1287.8	1302.0	1,780	8,375	1289.03	-0.39	2,127	-32	30	100.0	347	5.3
Salt Creek #09	1271.1	1285.0	1,451	5,864	1271.51	-0.04	1,531	1	5	100.0	80	1.8
Salt Creek #10	1244.9	1262.0	1,629	7,468	1245.70	-0.02	1,802	8	11	100.0	173	3.0
Salt Creek #12	1232.9	1252.0	1,808	9,415	1233.59	-0.10	1,959	4	15	100.0	151	2.0
Salt Creek #13	1341.0	1355.0	2,161	7,182	1341.43	-0.12	2,264	-2	13	100.0	103	2.1
Salt Creek #14	1244.3	1263.5	7,500	27,597	1244.90	-0.07	7,937	4	29	100.0	437	2.2
Salt Creek #17	1242.4	1266.0	783	6,628	1242.77	-0.07	853	0	5	100.0	70	1.2
Salt Creek #18	1284.0	1311.0	25,088	96,759	1285.04	-0.08	27,036	23	102	100.0	1,948	2.7

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 11:03 PM
To: DLL-CENWO-EOC CMT-ALL
Cc: CENWD-EOC NWD; Hutson, Marc B COL MIL USA USARNORTH; [REDACTED]
NWO; [REDACTED] MIL USA USARNORTH; [REDACTED] CIV USA
USARNORTH; Fema-R8-RRCC-DIRECTOR@dhs.gov
Subject: Flood Update #73 (UNCLASSIFIED)
Attachments: Day3QPF28May11.gif; 24hrPrecip28May2011.jpg; Day1QPF28May11.gif;
Day2QPF28May11.gif; dailybull.pdf; TempOutlook_28May11.xlsx; 100_1136.JPG; 100_1142.JPG; 100_1140.JPG

Classification: UNCLASSIFIED

Caveats: FOUO

****EMERGENCY OPERATIONS****

Information Cutoff: 1400 28 May 2011

Situation:

Heavy rains and high plains snowpack have pushed the Missouri River Reservoirs to very high levels that will require aggressive and large releases.

BG McMahon, COL Ruch, and team were in Pierre, SD on Saturday performing a recon of the current USACE operations as well as meeting with Governor Daugaard.

CODEL call was held today at 0800. A second CODEL Call was held at 1630 to discuss the new forecast release plan.

An 1800 call-in press conference was held to discuss the new forecast release plan.

The Joint Information Center was set up today, Erik Blechinger is the lead.

The Missouri River Project office is in the process of evacuating the facility to alternate locations. The project office as well as the warehouse that stores the flood fight equipment will be inundated at these forecasted river stages. SDIC Task Order was awarded to Weston Solutions for the relocation of the EOC equipment from the warehouse at the Missouri River Project Office to a location at 21st and Woolworth.

A new request from the State of MT for Technical and Direct Assistance - Roosevelt County, MT was received. The State requested 50,000 sandbags. Ft. Peck Project personnel will also provide technical assistance on Missouri River bank erosion in Roosevelt County.

State of SD - A construction award for temporary emergency protective measures for Pierre and Ft. Pierre was awarded to Morris Inc (small business). Ft. Pierre was awarded for \$2,465,000. Pierre was awarded for \$1,759,480. With the forecast changes, modifications to raise the levees are in negotiations and will be awarded either late tonight or in the am.

State of ND - Bismarck, ND - The two on-going construction contracts for temporary protective measures have been verbally modified to increase levee elevations by approximately 1 foot. Written modifications are expected to follow shortly.

The State of NE requested two (2) 10" pumps and two (2) pallets of sandbags for the City of North Platte, NE.

2. Weather:

2a. Past Precipitation:

Heaviest amounts of rainfall in the past 24 hours ending at 0700 Saturday were in the Big Sioux River basin where 1.5" to 2" fell in the Watertown and Brookings areas. Another area near Yankton and Sioux City saw just over an inch of rain. Light precip of 0.1" to 0.25" fell over large areas of Montana, North and South Dakota and Nebraska.

2b. Future Precipitation:

The day 1 QPF (700 hours Saturday to 700 hours Sunday) Between 0.75" and 1" is forecast at the Wyoming/Colorado/Nebraska tri-state border with the surrounding area seeing between 0.50" and 0.75". The rest of southern Wyoming could see up to a half inch of rain. Light showers are expected in Montana and North Dakota with most totals under a quarter inch.

The day 2 QPF (from 700 hours Sunday to 700 hours Monday) Southern Montana and northern Wyoming are encompassed in a large area forecast to receive over an inch of liquid precipitation. This includes the Bighorn and Yellowstone River basins which ultimately flow into Garrison. A center of 1.75" of precipitation is forecast around the states' border in the Sheridan, WY area with amounts just north in the 1.5" range. Areas in eastern Wyoming and the western Dakotas are forecast to receive up to 0.5" of precipitation which would flow into Garrison or Oahe.

The day 3 QPF (from 700 hours Monday to 700 hours Tuesday) The storm moves off to the northeast still producing significant precipitation in Montana and North Dakota. An additional 1" to 1.5" is expected from this event. This rainfall will mainly effect Ft. Peck and Garrison inflows. Another area of concern is 1" to 1.7" falling in the Yankton area also effecting the Big Sioux, Vermillion, and James River basins which would contribute flow below Gavins Point Dam.

3. Hydro Status:

3.a River (Flood Stage/Current Stage/Forecast/Date of Peak: Peak Stage) Montana

- * Little Bighorn River near Hardin/8.0/7.45/receding/May 23: 12.3
- * Tongue River at Miles City/11.0/7.03/steady/Jun 1: 8.9'
- * Yellowstone River at Billings/13/9.95/receding/
- * Yellowstone River at Miles City/13.0/14.12/14.4/May 28: 14.4
- * Yellowstone River at Glendive/53.5/52.94/53.6/May 29: 53.6
- * Yellowstone River near Sidney/19.0/17.42/rising/May 30: 19.9
- * Musselshell River near Harlowton/7.0/7.68/crested/
- * Musselshell River near Roundup/10.0/13.31/crested/

North Dakota

- * James River at Jamestown/12.00/11.64(1,810 cfs)/steady/
- * James River at LaMoure/14.0/11.5'/receding/
- * Little Missouri River at Medora/15.0/16.2/receding/

South Dakota

- * Little Missouri River near Camp Crook/12.0/15.15/receding/
- * Cheyenne River near Plainview/16.0/15.3/crested/

Nebraska

- * North Platte River at State Line/5.5/5.95/steady/
- * North Platte River near Mitchell/7.5/9/steady/
- * North Platte River at North Platte/6.0/7.34/rising/Jun1: 7.9
- * Platte River at Kearney/6.0/6.07/steady
- * Missouri River at NE City/18.0/23.05/cresting/May 28: 23.0
- * Missouri River at Brownville/33.0/38.3/increasing/May 29: 39.0
- * Missouri River at Rulo/17.0/21.23/increasing/May 29: 22.3

3.b Reservoirs:

Tributary Reservoirs:

Pipestem Reservoir (ND) fell 0.06' to elevation 1486.57 ft-msl. Yesterday's daily inflows were 59 cfs. 70.0% of the flood pool is occupied.

Jamestown Reservoir (ND) fell 0.17' yesterday to elevation 1448.09 ft msl. Yesterday's daily inflows were 146 cfs. 62.2% of the flood pool is occupied.

Bowman Haley fell 0.23 ft to elevation 2756.76 ft msl with inflows of 246 cfs and releases of 442 cfs. 5.0% of the flood control pool is occupied.

Heart Butte fell 0.44 feet yesterday and has 8.9% of its flood control pool occupied, Pactola is at 6.5% (rose 0.13 feet), and Shadehill is at 5.4% (fell 0.02 feet).

Yellowtail rose 1.4 ft yesterday to elevation 3625.68 ft-msl with inflows to 13,745 cfs. The release was 7,890 cfs. 82.4% of its multipurpose pool is occupied.

Missouri River Mainstem Reservoirs:

Note all inflows and releases are average daily and the pool elevation is the midnight value. Today's releases are the scheduled daily release per yesterday's project orders.

Fort Peck Dam (MT)

5/28 Pool Elev: 2246.87 ft-msl

24 hr change: 0.55'

5/27 Ave Inflow: 75,000 cfs

5/27 Ave Release: 9,900 cfs

5/29 Scheduled Release: 10,000 cfs

Garrison Dam (ND)

5/28 Pool Elev: 1852.09 ft-msl

24 hr change: 0.51'

5/27 Ave Inflow: 165,000 cfs

5/27 Ave Release: 78,700 cfs

5/29 Scheduled Release: 80,000 cfs

Oahe Dam (SD)

5/28 Pool Elev: 1618.28 ft-msl

24 hr change: 0.36'

5/27 Ave Inflow: 123,000 cfs

5/27 Ave Release: 79,200 cfs

5/29 Scheduled Release: 85,000 cfs

Big Bend Dam (SD)

5/28 Pool Elev: 1419.33 ft-msl

24 hr change: 0.11'

5/27 Ave Inflow: 75,000 cfs

5/27 Ave Release: 72,800 cfs

5/29 Scheduled Release: 85,000 cfs

Fort Randall Dam (SD)

5/28 Pool Elev: 1357.65 ft-msl

24 hr change: 0.48'

5/27 Ave Inflow: 88,000 cfs

5/27 Ave Release: 67,000 cfs

5/29 Scheduled Release: 71,000 cfs

Gavins Point Dam (NE-SD)

5/28 Pool Elev: 1206.90 ft-msl
24 hr change: 0.23
5/27 Ave Inflow: 68,000 cfs
5/27 Ave Release: 65,100 cfs
5/29 Scheduled Release: 72,000 cfs

The daily reservoir bulletin is attached.

4.a Emergency Operations:

4.a.1 Nebraska -

A contract for a portion of the temporary emergency measures at the airport in North Platte, NE is pending. The contract will be awarded tonight.

Equipment In: Missouri River Project equipment used to support HESCO Bastion construction at North Platte airport has returned to MRPO (Semi Tractor Trailer, Skid Steer, Dump Truck). Four Missouri River Project staff returned from North Platte.

A Corps of Engineers public meeting was held 27 May in Niobrara, Nebraska. About 200 people attended. The Corps of Engineers, National Park Service, county, local, and state officials attended the meeting. After a briefing about current Missouri River system conditions and forecasted flows and reservoir levels, the audience asked questions ranging from frustration with the Corps not dealing with the sedimentation, flooding of the major highway in the area, and not being given enough notice of increased releases.

4.a.2 Montana - Received a requested for technical and direct assistance from the State of Wyoming for the county of Roosevelt County. Ft. Peck project office provided 50,000 sandbags to the County and also sent a USACE team member to provided technical assistance on Missouri River bank erosion in the County.

Joel Ames(Tribal Liaison) will be returning home to the District Office on Sunday.

4.a.3 North Dakota -

Bismarck, ND - Two construction contracts were awarded yesterday. Segment D was awarded for \$1.4M and Segments E/F were awarded for \$393,000. Due to new releases forecast, the current contracts were verbally modified to add an additional 1 foot of height. These modifications are expected to almost double the cost of the original contract. No extension of contract scheduled. Two more contracts were bid today. The low bid for Segments A-C was \$1.17M. The low bid for the 48th Street and Prairie Rose Elementary School alignments was \$1.4M. Both contracts are currently in RFP negotiations. Contract award is expected by the morning. All temporary protective measures are being constructed for 150,000 cfs plus 1 foot of freeboard.

The State of North Dakota has requested 5400 LF of Hescos. Hescos will be delivered to the City of Bismarck tomorrow.

Mandan, ND - USACE currently receiving more detailed survey information for the area along the River. Potential SOW for storm drain plugs and earthen levees anticipated. City of Mandan is currently constructing temporary measures along 19th St SE and a ring levee around their waste water treatment facility. USACE providing technical assistance at both locations.

Williston, ND - Continue 24-hour surveillance. Water level dropped a foot since yesterday. Some improvement in upper boil close to levee. The condition of a boils adjacent to relief well 7 unchanged to slightly improved since yesterday. Plans for contract to construct 200' x 75' filter berm over area of concern. Drill crew mobilized to install relief wells starting Monday morning. Expect water levels to increase over next several days.

Audubon Lake, ND - USACE Missouri River Water Management Division has decided utilize storage available in Lake Audubon as part of Garrison Reservoir flood control operations. Bureau of Reclamation will initiate pumping and open gravity flow conduit at about noon today. Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day.

Final pool level for Lake Audubon has not been determined. We will continue to evaluate impacts and over the next several days to determine the final pool level. Corps of Engineers personnel will initiate emergency Section 7 consultation with U.S. Fish & Wildlife Service today.

Standing Rock Sioux Tribe - USACE technical team and Joel Ames will be traveling Monday to provide technical assistance.

4.a.4 South Dakota -

Scheduled combined flow from the dam of 85,000 cfs began at 0800hrs.

The contracts for Pierre and Ft. Pierre were awarded today at approximately 1030hrs. Construction is underway with the previous verbal award from the Contracting Officer. (Photos of contract work, raised road elevation and National Guard support are attached)

The daily press conference from the SD EOC included Gov Daugaard, Kristi Turman (SDOEM), Laurie Gill (Mayor of Pierre) and Sam Tidball (Mayor of Ft. Pierre). The main topic was the information received at the morning CODEL call. Forecasted rains and the probability of increase release and moving up the release schedule was presented.

Gen. McMahon, Col Ruch and John Remus from the District office met with Gov Daugaard and staff concerning the flooding in South Dakota.

Gen. McMahon and Gov Daugaard inspected the Pierre/Ft. Pierre Area by helicopter prior to visiting the SD EOC, after which the group toured the area by vehicle.

Adjustments to the flow schedule were received from Omaha. A 2 foot raise in all of the levees was directed. Work immediately began planning and engineering for modifying the contractors for this change.

4.a.5 Wyoming - No Change

4.a.6 Support to Others - No Change

4.b Equipment

Pumps

3	in 2	Number	0	Deployed	2	Available
6	in 1	Number	0	Deployed	1	Available
10	in 3	Number	1	Deployed	2	Available
12	in 7	Number	6	Deployed	1	Available
16	in 11	Number	8	Deployed	4	Available
Total	24	Number	15	Deployed	10	Available

Sandbags

2,980,600 Total (District Authorization) 2,706,600 Issued 274,000 Available

Hesco

20,295 LF

19,344 LF Deployed

**951 Available Still being counted/sorted and received in.

Portadam

1,350 LF

0 LF Deployed
1,350 Available

RDFW
1,200 LF
500 LF Deployed
700 Available

Sandbag Filling machines
Manual
3 Number
1 Deployed
2 Available
1500 production capability/hour
1/1 FMC Maintenance status
0 Tech Support

4.c Funding:

- * Total Code 200 Funding received to date for this event: \$19,956,425
- * Total Code 200 Funding revoked to date for this event: \$2,600,000
- * Class 219 - Emergency Operations - Direct Assistance - \$250,000 - WAD and FAD received 3/14/2011
- * Class 219 - Emergency Operations - Direct Assistance - \$3.825M - WAD received 03/15/11. FAD received 03/16/11.
- * Class 219 - Additional Funds Request on 24 March - \$231,425 - WAD and FAD received 03/24/11.
- * Class 219 - Emergency Operations - Direct Assistance - \$2.5M revoked - 4/13/11
- * Class 219 - Emergency Operations - Direct Assistance - \$100k revoked - 4/22/11
- * Class 210 - Response Operations - Alabama Tornadoes - \$56k - MIPR - 4/30/11
- * Class 210 - Response Operations - Alabama Tornadoes - \$25k - Request and received for EOC Operations and deployments on 4/30/11
- * Class 200 - Emergency Operations - Response Operations - \$500,000 - WAD and FAD received on 05/25/11
- * Class 200 - Emergency Operations - Response Operations - \$750,000 - WAD and FAD received on 05/26/11
- * Class 200 - Emergency Operations - Response Operations - \$5,000,000 - FAD received 05/27/11
- * Class 200 - Emergency Operations - Response Operations - \$10,000,000 - FAD received 05/27/11
- * Class 200 - Emergency Operations - Response Operations - \$3,000,000 - request sent 05/27/11 - verbal for \$2M received 05/27/113
- * Class 200 - Emergency Operations - Response Operations - \$10,000,000 - request sent 05/27/11 - verbal for \$2M received 05/27/11

- * Total Code 500 Funding received to date: \$827,904
- * Class 520 Funding - Advance Measures - Technical assistance - \$100K. WAD and FAD received on 3/2/11.
- * Class 52A Additional Request for Funding - Advance Measures - Technical assistance - \$100K. WAD and FAD received on 3/10/11.
- * Class 520 Additional Request for Funding - Advance Measures - Technical assistance - \$101,640. WAD and FAD received on 3/24/11.
- * Class 519 Funding - Advance Measures - Direct Assistance - \$376,264. WAD and FAD received on 3/28/11.
- * Class 520 Funding - Advance Measures - Technical assistance - \$110k - FAD received on 05/12/11.

* Class 510 Funding - Advance Measures - Direct assistance - \$40k - FAD received on 05/26/11.

4.c Number of Personnel Supporting EOC Operations: 75

5.a EOC Activation - Level IV - Full Activation - 24/7

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102

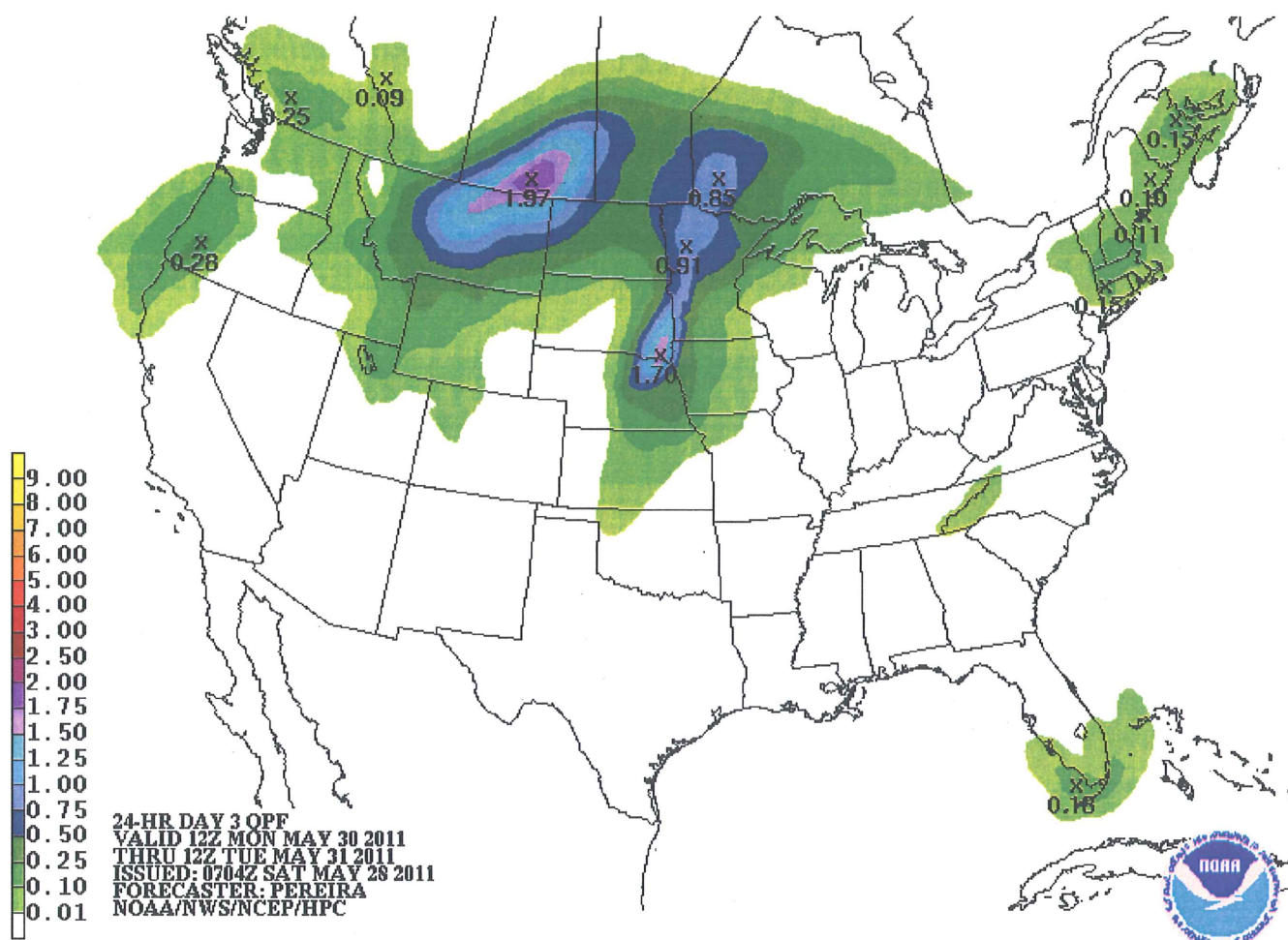
[REDACTED] Office

[REDACTED] Blackberry

[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED

Caveats: FOUO





US Army Corps
of Engineers
Omaha District

U.S. Army Corps of Engineers, Omaha District

Missouri River Basin

Mainstem and Tributary Reservoir Bulletin

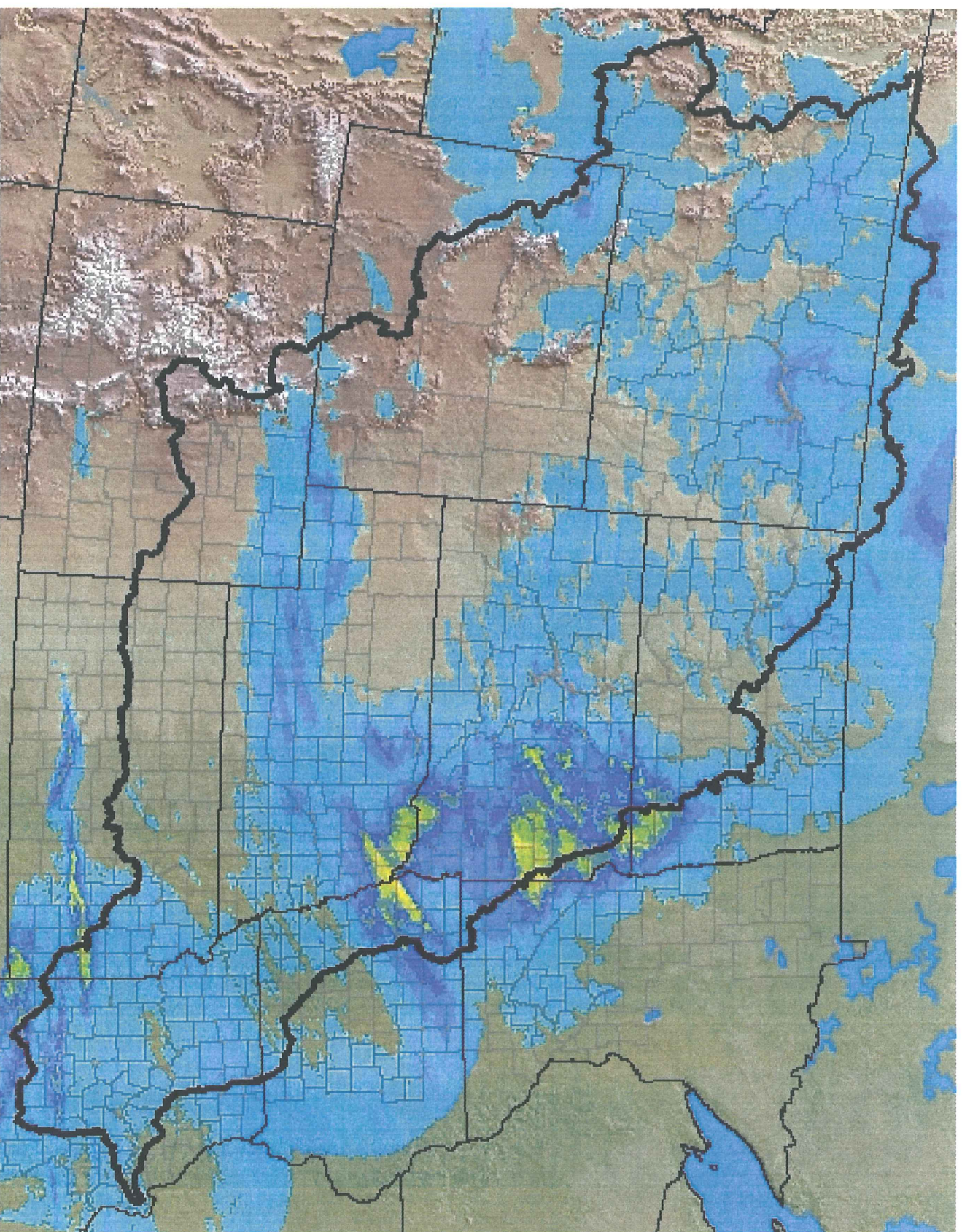
Project Data Date/Time: 05/28/11 12:00 AM

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NWO - USBR Section 7 Projects												
Tiber	2993.0	3012.5	925,649	1,328,723	2988.52	0.76	846,884	6,830	559	91.5	0	0.0
Clark Canyon	5546.1	5560.4	174,367	253,442	5545.18	0.08	169,585	587	380	97.3	0	0.0
Canyon Ferry	3797.0	3800.0	1,891,888	1,992,977	3779.81	0.61	1,353,576	893,872	885,334	71.5	0	0.0
Boysen	4725.0	4732.2	741,594	892,226	4708.19	-0.37	467,981	1,859	4,280	63.1	0	0.0
Buffalo Bill	5393.5	5393.5	646,565	646,565	5347.61	-0.04	323,250	4,205	4,343	50.0	-	-
Yellowtail	3640.0	3657.0	1,070,000	1,328,000	3626.68	1.4	882,076	13,745	7,889	82.4	0	0.0
Jamestown	1429.8	1454.0	31,510	221,000	1448.09	-0.17	149,347	146	1,389	100.0	117,837	62.2
Heart Butte	2064.4	2094.5	67,000	214,000	2068.24	-0.44	80,052	1,181	1,988	100.0	13,052	8.9
Keyhole	4099.3	4111.5	194,000	334,000	4096.42	0.13	162,889	552	0	84.0	0	0.0
Pactola	4580.2	4621.5	56,000	99,000	4583.46	0.13	58,800	471	413	100.0	2,800	6.5
Shadehill	2271.9	2302.0	120,000	350,000	2274.36	-0.02	132,401	1,499	1,553	100.0	12,401	5.4
Glendo	4635.0	4653.0	518,000	790,000	4632.21	0.55	483,894			93.4	0	0.0
NWO - USACE Tributary Projects												
Bowman-Haley	2754.8	2777.0	18,765	91,482	2756.76	-0.23	22,399	246	442	100.0	3,634	5.0
Pipestem	1442.5	1496.3	8,944	142,107	1486.57	-0.06	102,188	59	399	100.0	93,244	70.0
Chatfield	5432.0	5500.0	27,428	234,207	5431.88	-0.06	27,245	42	83	99.3	0	0.0
Cherry Creek	5550.0	5598.0	12,805	133,134	5550.08	-0.02	12,867	14	20	100.0	62	0.1
Bear Creek	5558.0	5635.5	1,882	30,586	5558.40	-0.07	1,924	22	22	100.0	42	0.1
Papio #11	1121.0	1142.0	3,054	16,907	1121.66	-0.01	3,313	9	11	100.0	259	1.9
Papio #16	1104.0	1121.0	1,211	4,782	1104.70	-0.12	1,300	4	11	100.0	89	2.8
Papio #18	1110.0	1128.2	2,916	10,512	1092.20	0.00	262	0	0	9.0	0	0.0
Papio #20	1095.8	1113.1	2,536	8,611	1096.35	-0.05	2,666	2	9	100.0	130	2.1
Cottonwood	3875.0	3936.0	655	8,385	3856.51	-0.01	0	0	0	0.0	0	0.0
Cold Brook	3585.0	3651.4	520	7,200	3582.58	0.00	435	0	0	83.6	0	0.0
Lake Audubon	1847.0	1847.0	323,690	323,690	1846.81	0	INFLOW AND OUTFLOW NOT CALCULATED					
Lake Pocasse	1617.0	1617.0	11,000	11,000	POOL ELEVATION READ MONTHLY BY PROJECT OFFICE							
Salt Creek #02	1335.0	1350.0	1,100	4,957	1333.97	0.00	940	0	0	85.4	0	0.0
Salt Creek #04	1307.4	1322.5	2,531	9,660	1307.35	0.02	2,515	3	0	99.4	0	0.0
Salt Creek #08	1287.8	1302.0	1,780	8,375	1289.03	-0.39	2,127	-32	30	100.0	347	5.3
Salt Creek #09	1271.1	1285.0	1,451	5,864	1271.51	-0.04	1,531	1	5	100.0	80	1.8
Salt Creek #10	1244.9	1262.0	1,629	7,468	1245.70	-0.02	1,802	8	11	100.0	173	3.0
Salt Creek #12	1232.9	1252.0	1,808	9,415	1233.59	-0.10	1,959	4	15	100.0	151	2.0
Salt Creek #13	1341.0	1355.0	2,161	7,182	1341.43	-0.12	2,264	-2	13	100.0	103	2.1
Salt Creek #14	1244.3	1263.5	7,500	27,597	1244.90	-0.07	7,937	4	29	100.0	437	2.2
Salt Creek #17	1242.4	1266.0	783	6,628	1242.77	-0.07	853	0	5	100.0	70	1.2
Salt Creek #18	1284.0	1311.0	25,088	96,759	1285.04	-0.08	27,036	23	102	100.0	1,948	2.7

7 Day Temperature Forecasts (Low/High)

Location	Sat 28-May	Sun 29-May	Mon 30-May	Tue 31-May	Wed 1-Jun	Thu 2-Jun	Fri 3-Jun
Helena, MT	42/57	38/51	41/48	38/67	44/76	49/77	47/71
Livingston, MT	39/56	38/44	38/44	35/63	40/73	45/76	45/69
Billings, MT	36/60	41/49	40/49	40/67	46/78	54/82	53/76
West Yellowstone, MT	28/41	29/37	28/35	26/51	29/62	33/62	33/58
Cody, WY	37/52	38/45	34/48	38/63	45/75	51/78	49/71
Sheridan, WY	46/59	35/51	31/53	29/65	39/77	46/83	46/76
Casper, WY	34/61	43/59	42/57	37/69	42/81	47/84	48/80
Laramie, WY	36/54	41/62	39/48	33/66	38/77	44/78	44/74

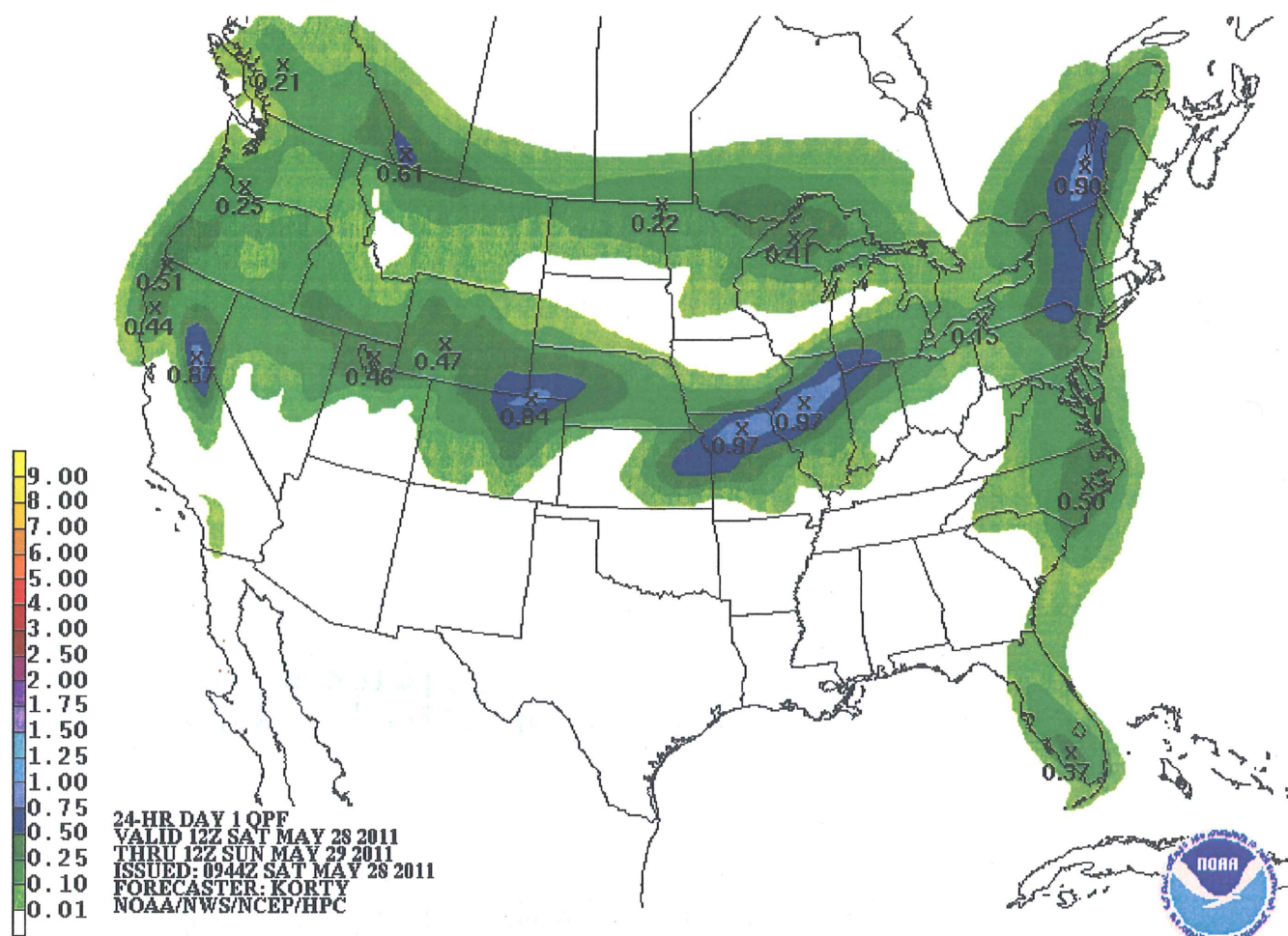


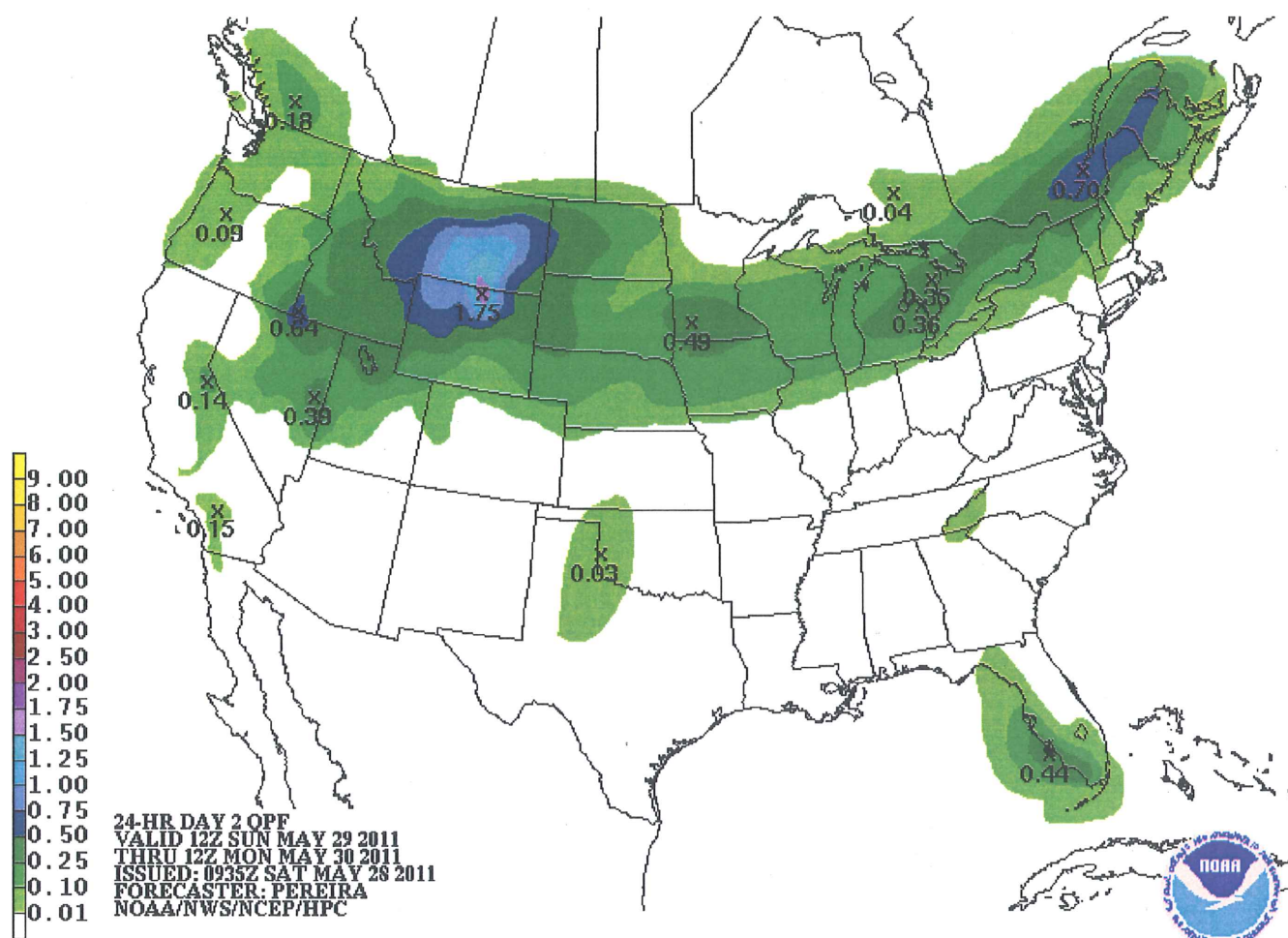
0.01 0.05 0.10 0.25 0.50 0.75 1.00 1.50 2.00 2.50 3.00 4.00 5.00 6.00 8.00 +

MBRFC 24-Hour Gage Biased Estimated Rainfall (inches)

Ending: 5/28/2011 at 7:00AM CDT

Created 5/28/2011 at 9:35 AM CDT











NWO

From: [REDACTED] HQ02
Sent: Saturday, May 28, 2011 10:25 PM
To: Farhat, Jody S NWD02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] HQ02
Subject: RE: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody-the large basins and the equally large reservoirs you're managing are difficult for those of us who are unfamiliar with their scale and capacity to get a good handle on. Hence, my request for percent of flood storage utilized.

The request for inches of runoff remaining will give us a sense of how much hydrologic leeway across your contributing area you have before your remaining flood storage is maxed out. In other words, how many inches of runoff from the entire contributing area will it take to exhaust the balance of your flood storage?

Thanks for helping us with this and thanks too, to Roy for his work.
Dave

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 11:02 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] HQ02
Subject: Re: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Dave, it's Roy who deserves the credit and will be making the changes. In a basin this large it doesn't make sense to talk about inches of runoff remaining but we we'll see what we can do.

Jody

----- Original Message -----

From: [REDACTED] HQ02
To: Farhat, Jody S NWD02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] HQ02
Sent: Sat May 28 19:47:25 2011
Subject: RE: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody-no problem. It looks like (in combination) you have all of us accounted-for now. Your report is very well done! The vast majority of the information we need looks to be captured.

To make Table 1 a bit more comprehensive, can you add the following 2 columns:
1) % Flood Storage Utilized and 2) Inches of runoff remaining?

Thanks for sharing your good work with us.

Dave

-----Original Message-----

From: Farhat, Jody S NWD02

Sent: Saturday, May 28, 2011 10:15 PM

To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: [REDACTED] NWO

Subject: FW: Missouri River Basin Water Management Division Situation Report of 5-28-11
(UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sorry to leave you off the initial distribution. We have Roy McAllister here helping us through the flood and I forgot to give him these names for the distribution list.

Thanks,
Jody

-----Original Message-----

From: [REDACTED] NWO

Sent: Saturday, May 28, 2011 8:02 PM

To: [REDACTED] NWD; Farhat, Jody S NWD02

Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Subject: Missouri River Basin Water Management Division Situation Report of 5-28-11
(UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

John,

This is late, but I guess you may have some feeling for what Jody is going through today with the sudden development of additional rainfall potential above Garrison Reservoir. She has not seen this, and I hope that I have not been too far off from what may be useful information. For those that got two copies of the email, the latest version of the attachment had not been saved; therefore, I did a recall.

[REDACTED]
Missouri Basin Water Managment Division
Northwestern Division
Corps of Engineers
[REDACTED]

[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 9:53 PM
To: [REDACTED] NWO; Quinn, Kevin R NWO
Cc: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; Farmer, Monique L NWO; [REDACTED] NWO; Farhat, Jody S NWD02
Subject: RE: Draft Press Release - Lake Audubon (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

All, Guess I was not aware that we were looking at several feet of surcharge at Garrison as indicated in the press release. Is this accurate?

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 6:54 PM
To: Quinn, Kevin R NWO
Cc: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; Farmer, Monique L NWO; [REDACTED] NWO; Farhat, Jody S NWD02
Subject: RE: Draft Press Release - Lake Audubon

Attached is final press release for Lake Audubon.

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 6:08 PM
To: Quinn, Kevin R NWO
Cc: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO
Subject: Draft Press Release - Lake Audubon

Here is draft press release for Lake Audubon. I will have others review while you develop final draft.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

Classification: UNCLASSIFIED
Caveats: FOUO

NWO

From: [REDACTED] HQ02
Sent: Saturday, May 28, 2011 9:47 PM
To: Farhat, Jody S NWD02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] HQ02
Subject: RE: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody-no problem. It looks like (in combination) you have all of us accounted-for now. Your report is very well done! The vast majority of the information we need looks to be captured.

To make Table 1 a bit more comprehensive, can you add the following 2 columns:
1) % Flood Storage Utilized and 2) Inches of runoff remaining?

Thanks for sharing your good work with us.
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 10:15 PM
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWO
Subject: FW: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sorry to leave you off the initial distribution. We have Roy McAllister here helping us through the flood and I forgot to give him these names for the distribution list.

Thanks,
Jody

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 8:02 PM
To: [REDACTED] NWD; Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

John,

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[REDACTED]
Missouri Basin Water Management Division
Northwestern Division
Corps of Engineers
[REDACTED]

[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] HQ02 on behalf of CE-UOC HQ02
Sent: Saturday, May 28, 2011 9:22 PM
To: Farhat, Jody S NWD02
Cc: DLL-HQ-UOCInternal
Subject: RE: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

UOC Acknowledges Receipt.

V/R,

[REDACTED]
Operations Officer
HQUSACE Operations Center
202-761-1001

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 10:15 PM
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWO
Subject: FW: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sorry to leave you off the initial distribution. We have Roy McAllister here helping us through the flood and I forgot to give him these names for the distribution list.

Thanks,
Jody

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 8:02 PM
To: [REDACTED] NWD; Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

This is late, but I guess you may have some feeling for what Jody is going through today with the sudden development of additional rainfall potential above Garrison Reservoir. She has not seen this, and I hope that I have not been too far off from what may be useful information. For those that got two copies of the email, the latest version of the attachment had not been saved; therefore, I did a recall.

[REDACTED]
Missouri Basin Water Managment Division
Northwestern Division
Corps of Engineers
[REDACTED]

[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: McMahon, John R BG NWD
Sent: Saturday, May 28, 2011 9:10 PM
To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Blechinger, Erik T NWO; Farhat, Jody S NWD02
Subject: Missouri River Basin Update--28 May 2011 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir:

Saw that [REDACTED] submitted a synopsis so I will try not to be redundant--all good.

COL Ruch and I made a visit to Pierre, SD, and spent 3 hours on the ground with Gov, city and state officials--impressive efforts ongoing there and Corps presence from nearby Oahe Dam is making a big positive impact. Gov and I did an aerial tour of the defense lines and Corps contractors were on the ground moving dirt. Bottom line is there is a good plan in place and we are working closely with the local/state team to execute. We also discussed possible mitigation actions at several smaller downstream communities which are being analyzed and prioritized by the team. NOW submitted a new request for an additional \$10M in authority/funding which is being processed as we speak. More to follow on all of this.

Conducted 2 CODEL calls today (0800 and 1630) to outline the situation, update them on developments overnight and then present the amended release plan after we had analyzed the latest inflow data and weather forecasts from NWS. As Karen reported, releases will be going up from 120Kcfs to 150Kcfs between now and mid June, shortening the preparation windows for communities and raising additional concerns about the danger that lurks ahead. Generally, the news is being accepted and dealt with in stride as people seem to understand the weather is the main culprit. We will remain vigilant about keeping officials and citizens informed about the latest developments and adjustments to the release plan. We are generally able to amend existing contracts to build defenses higher and not have to change the lines of defense as a result of these increased releases. Also conducted a Media call-in event which went generally well although we were challenged to explain local reports and reconcile numbers (flow rates, water levels, gauge readings, elevations, past records, etc) that we were not privy to in advance--are working to improve how technical information and concepts of hydrology and hydraulics are conveyed to the media and the public at large. More to follow on this.

Spoke to MO Gov Nixon today about the lower basin flooding expected to come in the near future as a result of our planned higher releases---his intent is to make deliberate plans in coordination with the Corps and local communities to minimize damage to property and farms--COL Tony Hofmann and the NWK Team will work closely with these officials to this end. More to follow on this effort.

As Karen reported, NWK continues to ramp up for the debris removal and Recovery Field Office mission set working closely with MoARNG and FEMA--Tony Hofmann deploys on Sunday as a location in Joplin for the RFO has been secured and set up. NWD will augment the NWK team as Tony dictates and as momentum is gained in the mission areas.

I am planning to return to Portland Sunday morning but will stay engaged as the situation dictates. Appreciate the great support across the Corps as we work our way through these challenges. The NWD team has been superb and I am proud to be associated with such a talented and dedicated group of professionals.

VR, John

Classification: UNCLASSIFIED

Caveats: NONE



From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 9:01 PM
To: [REDACTED] NWD; Anderson, G Witt NWD; [REDACTED] NWD; Blechinger, Erik T NWO; Farhat, Jody S NWD02; [REDACTED] HQ; [REDACTED] NWD; [REDACTED] HQ02; Tipton, Robert A Col NWD; McMahon, John R BG NWD
Cc: CENWD-EOC NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; ULA@NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: RE: Mo River Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Exec CMT Members,

The MO River Update will again shift from 0900 to 1300 PST. No change in call-in numbers.

VR
John

-----Original Message-----

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 12:45 PM
To: Anderson, G Witt NWD; [REDACTED] NWD; Blechinger, Erik T NWO; Farhat, Jody S NWD02; [REDACTED] HQ; [REDACTED] NWD; [REDACTED] HQ02; Tipton, Robert A Col NWD; McMahon, John R BG NWD
Cc: CENWD-EOC NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] ULA@NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: RE: Mo River Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Exec CMT Members,

The MO River update for 1400 PST has been cancelled and will reconvene tomorrow at 0900 PST. No change to the call-in number. Invites will go out shortly.

There will be a CODEL call at 1630 CST (1430 PST). Call in #'s for those interested follow:
USA Toll-Free: (877)336-1828
ACCESS CODE: 1054750

John

-----Original Message-----

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 6:47 AM
To: Anderson, G Witt NWD; [REDACTED] HQ@NWD; [REDACTED] ULA; [REDACTED] NWD;
[REDACTED] NWD; [REDACTED] NWD; Blechinger, Erik T NWO; [REDACTED] NWD;
Farhat, Jody S NWD02; [REDACTED] HQ; [REDACTED] NWD; [REDACTED] HQ02; [REDACTED]
[REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED]

[REDACTED] ULA@NWD; [REDACTED] NWD; [REDACTED] NWD; Rychlik, Dean L; [REDACTED] NWD;
Tipton, Robert A Col NWD; [REDACTED] NWD
Cc: CENWD-EOC NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD;
NWD; [REDACTED] NWD
Subject: Mo River Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

CMT Members,

Situation along the MO River upper basin appear to be deteriorating. Bad news is that new forecast calls for up to 3 inches of more rain for eastern Montana and Wyoming on Sunday and Monday and so models are being rerun today that will either require higher releases or sooner releases from the dams or both. NWO is reworking the inundation models today and will be conducting a congressional delegation (CODEL) call again later today.

For those of you participating in the Executive MO River call today at 1400, we need you to be flexible. The CODEL call may trump when we were doing our call-in today. Please stay tuned to your BBs as changes will most likely occur. Pam will submit invites to participants as things evolve.

Thanks,
[REDACTED]

[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division
([REDACTED])

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 8:19 PM
To: [REDACTED] NWO; [REDACTED] NWO; Bertino, John J Jr NWO; [REDACTED]
NWO; [REDACTED] NWO; [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED]
NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: Missouri River Forecast Discharges and Stages
Attachments: MR_forecast_2011 (2).pdf

Attached is the Missouri River Forecast discharges and stages with the flood stages added

[REDACTED]
Chief, Hydrology Section
Omaha District
US Army Corps of Engineers
1616 Capitol Ave
Omaha, Nebraska 68102
402-744-8110

Location	Current Q 28-May	Forecast Discharge in cfs						1993	2010
		85K	110K	125K	150K	200K			
Gavins Point	65,000	85,000	110,000	125,000	150,000	200,000	8,000*	27,000*	
Sioux City	91,700	111,700	136,700	151,700	176,700	226,700	72,200	86,600	
Omaha	99,600	125,200	150,200	165,200	190,200	240,200	115,000	103,000	
Nebraska City	125,000	160,800	185,800	200,800	225,800	275,800	196,000	168,000	
Rulo	108,000	166,000	191,000	206,000	231,000	281,000	307,000	216,000	

* = Gavins Point Releases cut back during flooding downstream

	Flood Stage (ft)	Current Stage	Stage in Feet					1993	2010
			85K	110K	125K	150K	200K		
Sioux City	30	26.80	27.0	29.6	31.6	34.0	37.0	27.33	25.49
Omaha	29	28.60	29.8	31.4	32.2	33.5	35.5	30.26	27.60
Nebraska City	18	23.04	24.8	26.2	26.7	27.8	29.1	27.19	24.94
Rulo	17	21.23	24.6	25.1	25.4	25.8	26.3	25.37	26.61

	Flood Stage (ft)	Current Stage	Stage Change in Feet				
			85K	110K	125K	150K	200K
Sioux City	30	26.80	1.2	2.8	4.8	7.2	10.2
Omaha	29	28.60	1.2	2.8	3.6	4.9	6.9
Nebraska City	18	23.04	1.8	3.2	3.6	4.7	6.0
Rulo	17	21.23	3.4	3.9	4.2	4.6	5.1

[REDACTED] NWO

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 8:19 PM
To: [REDACTED] NWO; Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: RE: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thanks Roy.

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 6:02 PM
To: [REDACTED] NWD; Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

This is late, but I guess you may have some feeling for what Jody is going through today with the sudden development of additional rainfall potential above Garrison Reservoir. She has not seen this, and I hope that I have not been too far off from what may be useful information. For those that got two copies of the email, the latest version of the attachment had not been saved; therefore, I did a recall.

[REDACTED]
Missouri Basin Water Managment Division
Northwestern Division
Corps of Engineers
[REDACTED]
[\[REDACTED\]@usace.army.mil](mailto:[REDACTED]@usace.army.mil)

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 8:02 PM
To: [REDACTED] NWD; Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Missouri River Basin Water Management Division Situation Report of 5-28-11 (UNCLASSIFIED)
Attachments: Missouri River Basin Water Management Situation Report 5-28-11.docx

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

This is late, but I guess you may have some feeling for what Jody is going through today with the sudden development of additional rainfall potential above Garrison Reservoir. She has not seen this, and I hope that I have not been too far off from what may be useful information. For those that got two copies of the email, the latest version of the attachment had not been saved; therefore, I did a recall.

[REDACTED]
Missouri Basin Water Managment Division
Northwestern Division
Corps of Engineers
[REDACTED]
[REDACTED]@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Missouri River Basin Water Management Situation Report – 5-28-11

Reservoir Conditions

The upper three reservoirs of the Missouri River Mainstem Reservoir System provide the bulk of the storage of water. All three are in their exclusive flood control zones, nearing their spillway crests. Table 1 summarizes the situation as of 0000 hours this morning.

Table 1. Daily Update of Key Reservoir Data (through 0000 hrs 5/28/11)

Reservoir	Inflow kcfs	Release kcfs	Top of Spillway Gates feet msl	Current Level feet msl	24-hr Change feet
Fort Peck	75,000	9,900	2250	2246.9	0.6
Garrison	165,000	78,700	1854	1852.1	0.5
Oahe	123,000	79,200	1620	1618.3	0.4
Big Bend	75,000	72,800	1423	1419.3	0.1
Fort Randall	88,000	67,000	1375	1357.7	0.5
Gavins Point	68,000	65,100	1210	1206.9	0.2

River Conditions

The cities of Bismarck, ND and Pierre, SD are preparing for flood stages on the Missouri River resulting primarily from the releases from Garrison and Oahe Dams, respectively. Many communities along the lower Missouri River are currently experiencing Missouri River flows that are above flood stage by several feet. The flood stages currently being experienced will be exceeded as Missouri River Mainstem Reservoir System releases increase over the next few weeks to pass the anticipated inflows from mountain snowpack runoff and heavy rains in the Missouri River basin. Table 2 summarizes the current conditions as of 0600 hours this morning and the Corps' forecast for the lower river up through 6/11/11, based on 130,000 cfs from Gavins Point Dam on 6/10/11 or earlier (depends on distance downstream from dam).

Table 2. Daily Update of Missouri River Stage Data 5/28/11 0600 CDT

Location	Flood Stage	Current Stage	Forecasted Crest Stage	Date of Crest Stage
Bismarck, ND	16	15.8	21.5	mid-Jun
Pierre, SD	15	14.8	21.0	mid-Jun
Sioux City, IA	30	26.7	33.9	9-Jun
Decatur, NE	35	32.3	38.0	10-Jun
Omaha, NE	29	28.5	32.2	10-Jun
Nebraska City, NE	18	22.8	25.1	10-Jun
St. Joseph, MO	17	20.3	23.8	11-Jun
Kansas City, MO	32	24.1	26.7	11-Jun
Waverly, MO	20	24.1	24.2	11-Jun
Boonville, MO	21	26.1	21.9	11-Jun
Hermann, MO	21	26.4	22.2	11-Jun

Forecasted System Reservoir Releases

Releases from the Missouri River Mainstem Reservoir System are in an ever-increasing flux due to recent heavy rainfall in the eastern Montana and western North Dakota region and a mountain snowpack the remains well above normal levels at this point in time. Considerable effort was undertaken today to address a heavy rainfall forecast over the next 5 days over eastern Montana and the melting and runoff of mountain snowpack. At this time, the forecast is to start ramping up the releases from the current levels shown in Table 1 to 50,000 cfs at Fort Peck and 150,000 cfs at the other five System reservoirs by mid-June. Phone calls were held with Congressionals, Tribes, and the States this afternoon with the Northwestern Division and Omaha District commanders on the call after returning from Pierre, SD. About an hour later, a call was also set up with the media to begin getting these new numbers out for public knowledge. The specifics of the System data forecast in terms of reservoir levels, inflows, and releases are available on the Missouri River Basin Water Management website at: <http://www.nwd-mr.usace.army.mil/rcc/reports/twout.html>.

Actions Underway to Prepare for the Releases

The Omaha District is working with the cities of Bismarck/Mandan, ND and Pierre, SD to construct levees to limit flood impacts to those cities. During a call this evening with Congressionals, Tribes, and the States, the Standing Rock Tribe requested assistance with potential flooding issues for the only road leading into Fort Yates, ND on the reservation. Technical information is being provided to the agencies and emergency managers so that actions can be taken to mitigate any impacts due to the rising stages throughout the System and on the lower Missouri River. Floodplain inundation maps are currently being prepared by the Omaha and Kansas City Districts for release to those wanting them by tomorrow (Sunday) or Monday to identify the areas of potential flooding for the emergency managers and the public.

Some relief is being provided to Garrison Reservoir as water is being moved to Lake Audubon, an adjacent reservoir operated by the Bureau of Reclamation. At approximately 1200 hours today, pumping was initiated from Garrison Reservoir into Lake Audubon at maximum practicable levels. Also an open gate in the control structure was adjusted to the fully open position to provide gravity flow from Garrison Reservoir into Lake Audubon. The Lake Audubon pool is currently at a level of 1847.0 and Garrison Reservoir is currently at a pool level of 1852.1. The Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day. The final pool level for Lake Audubon has not been determined, although it will likely be in the range of 1850 to 1854 feet msl. Over the next several days agency coordination will continue to determine the final target pool level for Lake Audubon.

From: Engemann, Daniel [Dan.Engemann@mail.house.gov]
Sent: Saturday, May 28, 2011 7:55 PM
To: Farhat, Jody S NWD02
Subject: Question

Jody,

Failed to ask on the call this afternoon - how much above flood stage will Jefferson City and Hermann be with a 150K release from Gavins Point?

Thanks,
Dan Engemann

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 7:46 PM
To: Farhat, Jody S NWD02
Subject: Re: Travel time garrison to pierre

He said it was in the pool.

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWO
Sent: Sat May 28 17:40:09 2011
Subject: Re: Travel time garrison to pierre

Is it in the pool or on the river?

----- Original Message -----

From: [REDACTED] NWO
To: Farhat, Jody S NWD02
Sent: Sat May 28 17:36:57 2011
Subject: Travel time garrison to pierre

USBR has Echo Point pumping plant in Oahe pool at Pierre that they are worried about. I told them normal travel time is 6 days. We (USBR and I) were thinking 3-4 days with the higher flows, is that reasonable?

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 7:37 PM
To: Farhat, Jody S NWD02
Subject: Travel time garrison to pierre

USBR has Echo Point pumping plant in Oahe pool at Pierre that they are worried about. I told them normal travel time is 6 days. We (USBR and I) were thinking 3-4 days with the higher flows, is that reasonable?

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Saturday, May 28, 2011 7:16 PM
To: [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWD02
Subject: RE: Lake Francis Case Level (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
There's a new forecast posted now. It still shows being under 1360 through the holiday weekend. However, we may have to delay or slow your release increase schedule based on Gavins Point elevation. Joel is going to call the operator and have them wait to hear from me in the morning before they make the change to 74 kcfs (we may decide to do 72 or 73 instead). Anyway, any slowdown in your release will cause the pool to be slightly higher. I will keep watch on it tomorrow and let you know.

[REDACTED]
-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 5:23 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: Lake Francis Case Level (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Any forecast for Francis Case pool level in this new run? Thanks, Tom

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 6:54 PM
To: Quinn, Kevin R NWO
Cc: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED]
NWO; Farmer, Monique L NWO; [REDACTED] NWO; Farhat, Jody S NWD02
Subject: RE: Draft Press Release - Lake Audubon
Attachments: AudubonPressRelMay 28 2011.docx

Attached is final press release for Lake Audubon.

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 6:08 PM
To: Quinn, Kevin R NWO
Cc: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO
Subject: Draft Press Release - Lake Audubon

Here is draft press release for Lake Audubon. I will have others review while you develop final draft.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)



**US Army Corps
of Engineers®**
Omaha District

News Release

November 3, 2006
Release No.: 11-03-06

Contact: Kevin Quinn
(402) 221-3913/3917

U.S. Army Corps of Engineers announces plans to raise Lake Audubon pool levels

Omaha, Neb. — Corps of Engineers officials announced today that releases have been initiated from Garrison Reservoir (Lake Sakakawea) into Lake Audubon as part of flood control operations at Garrison Reservoir. This action will allow the Corps of Engineers to take advantage of up to 150,000 acre-feet of storage that is available in Lake Audubon.

Lake Audubon is a sub impoundment of Garrison Reservoir, located 8 miles northeast of Riverdale. Impounded by the "Snake Creek Embankment," Lake Audubon was created in 1954 with the relocation of U.S. Highway 83 and a railroad across the Snake Creek Arm of Lake Sakakawea. Lake Audubon also provides fish and wildlife enhancement, and diversion of water for irrigation.

The Lake Audubon pool is currently at the normal summertime level of 1847.0 feet above mean sea level (msl). The Lake Audubon pool level will rise at a rate of 0.3 to 0.4 feet per day, and the rate of rise will gradually decrease as the Lake Audubon level approaches the Garrison Reservoir level. The final pool level for Lake Audubon has not been determined, but it could rise as high as the forecasted pool level at Garrison Reservoir, which recently was increased to several feet of surcharge storage above the exclusive flood control level of 1454 feet msl.

The Corps is coordinating with the Bureau of Reclamation, U.S. Fish and Wildlife Service, North Dakota Game and Fish Department, North Dakota State Water Commission, and the Garrison Diversion Conservancy District concerning the impacts of

increased Lake Audubon pool levels. The planned maximum pool level for Lake Audubon will be announced in several days.

-30-

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The Leader-News, Washburn	(701) 462-8126
McKenzie County Farmer, Watford City	(701) 842-2352
The Plains Reporter, Williston	(701) 572-1965

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 5:37 PM
To: Farmer, Monique L NWO; Farhat, Jody S NWD02
Subject: Lake Audubon Press Release

At Lake Audubon, a sub-impoundment of Garrison Reservoir, the Corps of Engineers has initiated releases from Garrison Reservoir into Lake Audubon to take advantage of 150,000 acre-feet of storage that is available in Lake Audubon. The Lake Audubon pool is currently at a level of 1847.0. The Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day. The final pool level for Lake Audubon has not been determined, but it could rise as high as the forecasted pool level of 1854 feet msl at Garrison Reservoir.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 5:23 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: Lake Francis Case Level (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Any forecast for Francis Case pool level in this new run? Thanks, Tom

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Saturday, May 28, 2011 4:39 PM
To: DLL-CENWD-PDR
Cc: [REDACTED] RMC; [REDACTED] NWO
Subject: FW: Lake Audubon Reservoir Regulation Order (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYI.

[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE

[REDACTED] (fax)

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 3:34 PM
To: [REDACTED] NWO; 'Krogstad, Duane E'; Marohl, Michael K; [REDACTED] NWD02
Cc: [REDACTED] NWO
Subject: FW: Lake Audubon Reservoir Regulation Order (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

SUBJECT: Lake Audubon Reservoir Regulation Order LAUD-11-01

1. This memo confirms oral instructions that were given to you by Tim Temeyer of my staff regarding the regulation of releases from Lake Audubon.
2. Background: Inflow volumes at the Missouri River mainstem reservoirs will reach historic levels in the coming weeks, the result of above-normal snowmelt runoff and extraordinary rain over the last several weeks. Garrison Reservoir is currently at a pool level of 1852.1 feet msl, with forecasted levels near the top of the spillway gates at elevation 1854 feet msl. Garrison releases are currently at record levels near 80,000 cfs and will likely reach 105,000 cfs by about mid-June. The Corps of Engineers Missouri River Water Management Division has decided to utilize storage available in Lake Audubon as part of Garrison Reservoir flood control operations.
3. At approximately 1200 hours on Saturday, May 28, initiate pumping from Garrison Reservoir into Lake Audubon at maximum practicable levels. Also open gate in control structure to fully open position to provide gravity flow from Garrison Reservoir into Lake Audubon. The Lake Audubon pool is currently at a level of 1847.0 and Garrison Reservoir is currently at a pool level of 1852.1. The Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day.
4. The final pool level for Lake Audubon has not been determined, although it will likely be in the range of 1850 to 1854 feet msl. Over the next several days we will be conducting agency coordination to determine the final target pool level for Lake Audubon. We will provide additional release instructions when coordination has been completed.

5. The release order has been coordinated with members of the Lake Audubon Oversight Committee which includes representatives from the US Army Corps of Engineers, the US Bureau of Reclamation, the US fish and Wildlife Service, the North Dakota (ND) Department of Game and Fish, the ND State Water Commission, and the Garrison Diversion Conservancy District.


Chief, Water Control and Water Quality Section Hydrologic Engineering Branch Engineering Division U.S. Army Corps of Engineers, Omaha District

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

From: kathleen.rath [mailto:kathleen.rath@nwo.com]
Sent: Saturday, May 28, 2011 4:30 PM
To: Farhat, Jody S NWD02
Subject: Lynne Trautner's Letter to the Editor

I am writing in response to Ms. Trautner's extremely well informed and accurately written letter.

I also grew up in Pierre and return every summer to enjoy our beautiful river town.

I am astounded at the lack of preparation and miscalculations in this situation. This could have been averted if some planning and common sense. Unbelievable!

I Hope to hear a better explanation from the Corp.
Thank you.

Sincerely,

Kathleen Rath

NWO

From: [REDACTED] HQ02
Sent: Saturday, May 28, 2011 3:45 PM
To: [REDACTED] NWD; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWD; [REDACTED] NWD; Farhat, Jody S NWD02
Subject: RE: Issue of UOC updates from Water Managers (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NQNE

Jim-once your team begins adjusting your operations due to potential/actual flooding, please begin sending us daily summaries from the affected Districts. The E&C technical team will need that level of detail.

Thanks,
Dave

-----Original Message-----

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 1:32 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWD; [REDACTED] NWD; Farhat, Jody S NWD02
Subject: RE: Issue of UOC updates from Water Managers (UNCLASSIFIED)

John, thanks for your email clarifying what you guys need and sorry if you haven't gotten what you needed from us. On the Columbia Basin, we have been briefing the Command every few days and preparing briefing packages for that rather than every day as Jody has been doing given her situation. I have forwarded slides for any briefings we have done, and will start sending them more often if that is needed. We got a request last week through MG Temple and our Deputy Commander for sending 2-3 slides to HQ to succinctly summarize our situation rather than the 8-10 slides we had been sending. We are working on that more concise set of 2-3 slides and will try to get something up to you by Monday or sooner if needed. Our situation has not changed appreciable from what is shown in the last set of slides we sent. I attached a slide showing the river situation as of this morning to give you a better sense of where things stand. Please let us know if you have questions or need more information now.

Thanks

-----Original Message-----

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 10:59 AM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED] LRDOR; [REDACTED] SWD; [REDACTED] MVD; [REDACTED] SAD; [REDACTED] NAD; [REDACTED] A@ POD; [REDACTED] SPD; [REDACTED] NWD
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Issue of UOC updates from Water Managers (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED

Caveats: NONE

Jody/all water managers,

I have been out of the office the past few days and stepped into the UOC here at HQ this morning and was immediately hit with a barrage of questions on both operations and flooding in the Missouri River basin. I also see an exchange of information in emails below.

This brings me to a conclusion that maybe we at HQ have not properly informed MSC's of our needs or expectations during flood events. I suspect we are fairly spoiled by LRD and MVD with their great responses dating back to the 2008 Miss R floods.

In general we have several needs at HQ. The UOC (USACE Operations Center) which is the "daily" equivalent of your EOC's monitors, tracks and "funds" all emergency or event based operations (and preparedness) for USACE across the world. They coordinate all activities or situational events with all our fellow federal agencies. HQ's Leadership are expected to know before their Leadership when something happens within a USACE operated or impacted system. This is not happening!

Bottom Line is - ""if you brief it to your General it needs to be sent to the UOC""

Logistics of who - H&H does not work in the UOC. We are on call for information, briefings and special situations. Therefore, please send daily updates to "UOC Internal" and include Jerry Webb, David Shepp, Gary House and John Hunter on the Cc so we can be situationally aware of what is going on in your region before we are hammered.

The UOC Internal goes to a large group of people that are permanent to the UOC. These people develop briefs everyday and send them out to both Leadership and other Federal agencies as necessary. They have a meteorologist and they brief weather and use our input for impacts.

We now have a new system where we bring people such as yourselves for "events" such as the Miss R flood. When you TDY to work an event you become the HQ H&H person responsible for determining what is going on everywhere for every event and why we are doing what we are doing or what are we going to do about it. Believe me, everyone up the chain and leadership in every agency asks this for every event.

What to send? I have attached a few examples of both daily and event oriented stuff.

Thanks

~~XXXXXXXXXX~~
Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone ~~202-755-XXXX~~
Cell ~~202-755-XXXX~~

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Wednesday, May 25, 2011 8:50 AM
To: ~~XXXXXXXXXX~~ HQ02; ~~XXXXXXXXXX~~ HQ02
Cc: ~~XXXXXXXXXX~~ HQ02; ~~XXXXXXXXXX~~ HQ02; ~~XXXXXXXXXX~~ HQ02; ~~XXXXXXXXXX~~ NWD02;
~~XXXXXXXXXX~~ NWD02; ~~XXXXXXXXXX~~ NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

A record pool is anticipated at Oahe, but not at Garrison or Fort Peck at this time.

-----Original Message-----

From: [REDACTED] HQ02
Sent: Wednesday, May 25, 2011 7:00 AM
To: Farhat, Jody S NWD02; [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02;
[REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Much appreciate that summary. For Garrison and Oahe record releases, is there record pools as well?

Thanks,

[REDACTED]
National Dam Safety Program Manager
US Army Corps of Engineers - HQ
[REDACTED] (office)
[REDACTED] (cell)
[REDACTED]@usace.army.mil

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Wednesday, May 25, 2011 7:30 AM
To: [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] - I wasn't aware of the requirement.

Here's a snapshot for this morning.

Fort Peck: 2245.3, up 0.6 feet since ydy; top of gates 2250; current release rate 10,000 cfs
Garrison: 1850.7, up 0.3 feet; top of gates 1854; current release rate 70,000 cfs (record release)
Oahe: 1617.9, up 0.2 feet; top of gates 1620; current release 65,000 cfs (record release) Big Bend - normal operations
Fort Randall: 1356.0, up 0.5 feet; top of gates 1375; current release rate 59.000 cfs
Gavins Point - normal operations; current release rate 60,000 cfs

Big bend and Gavins Point have very little flood control storage and are currently within the normal operating range. Releases from Garrison to Gavins Point will be increased to the 85,000 cfs range over the coming week to two weeks.

Jody

-----Original Message-----

From: [REDACTED] HQ02
Sent: Wednesday, May 25, 2011 3:41 AM
To: Farhat, Jody S NWD02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02

Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Hi Jody-you need to be sending HQ daily reservoir summaries when you're experiencing flooding. Please copy all of us on the cc line above. Also, we need them by 0830 EDT to have them in time to be of use at the 0900 UOC briefing.
The EM chain isn't sufficient, we need info via the H&H chain. Know that we're not picking on you--everyone is expected to keep us posted during flooding.
Thanks for your help with this.
Dave

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 10:25 PM
To: [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

Looks like NWD is not reporting to the UOC or HQ.

[REDACTED]

Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone [REDACTED]
Cell [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 6:16 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

See note below.

[REDACTED]

[REDACTED]

Chief Engineering and Construction
HQ U.S. Army Corps of Engineers
Office: [REDACTED]
Cell: [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 10:19 AM
To: Grisoli, William T MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; Smith, Thomas P COL HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYSA.....

[REDACTED]
[REDACTED]
Director Civil Works, USACE
(W) ([REDACTED])
(Cell) ([REDACTED])
[REDACTED]@us.army.mil

-----Original Message-----

From: [REDACTED] HQ
Sent: Tuesday, May 24, 2011 8:38 AM
To: [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYI

[REDACTED]
Deputy Chief (Civil Works)
Northwestern Division
Regional Integration Team (RIT)
U.S. Army Corps of Engineers
441 G Street, NW
3C93
Washington, D.C. 20314-1000

[REDACTED] (voice)
[REDACTED] (fax)
[REDACTED] (mobile)

[REDACTED]@usace.army.mil

-----Original Message-----

From: U.S. Army Corps of Engineers [mailto:kevin.r.quinn@usace.army.mil]
Sent: Monday, May 23, 2011 6:29 PM
To: [REDACTED] NWK
Subject: Lots more water coming down the Missouri River - now!

<file:///C:/DOCUME~1/g6pa9krq/LOCALS~1/Temp/msohtmlclip1/01/clip_image001.jpg>

U.S. ARMY CORPS OF ENGINEERS
BUILDING STRONG®
NEWS RELEASE

For Immediate Release: May 23, 2011
Contact: Kevin R. Quinn 402-995-2419
kevin.r.quinn@usace.army.mil
Jody Farhat 402-996-3840
jody.s.farhat@usace.army.mil

Lots more water coming down the Missouri River - now!

Omaha, Neb. - Repeated rounds of heavy rain across Montana and the Dakotas, coupled with far above normal mountain snowpack, have pushed reservoirs to a level which calls for aggressive water releases from Missouri River mainstem dams, said Jody Farhat, Chief of the Corps' Missouri River Basin Water Management Division in Omaha.

"The upper Missouri River is seeing dramatic increases in flows, particularly after as much as eight inches of rain fell over the weekend in portions of eastern Montana and western North Dakota," Farhat said. "Unusually heavy precipitation, combined with late season heavy snowpack in parts of the Missouri Basin, means we will see near-record runoff in the Missouri basin."

Farhat thinks it is possible that Garrison Dam may be within a foot of the top of its spillway gates by this time next week. "We're beginning to make some major adjustments to water releases, starting with Fort Peck south to Gavins Point Dam and expect to do so for some time since the extended forecast is calling for more of the same."

Garrison Dam releases were increased to 60,000 cubic feet per second (cfs) today and will be stepped up until they reach 75,000 cfs on Wednesday. At the same time, releases from the upstream reservoir Fort Peck will be reduced from the current rate of 20,000 cfs to 10,000 cfs to help stem the rise of Garrison reservoir. Garrison reservoir is expected to reach 1853 feet by this weekend due to the high flow on the Yellowstone and Little Missouri Rivers. Fort Peck reservoir is also climbing rapidly due to weekend's rainfall and low elevation snowmelt. It is expected to rise 2 feet this week, reaching 2246 by the weekend.

Oahe Dam releases will transition from 60,000 cfs today to 70,000 cfs by mid-week. Farhat expects the Oahe reservoir to reach 1618 feet by the weekend and continue to slowly drift upward over the next few weeks, perhaps peaking in mid-June. The record pool at Oahe is 1618.7 feet, set in 1995 and repeated in 1996. The peak pool level in 1997 was 0.1 foot lower at 1618.6.

Fort Randall has some space to store water, but the river reach between there and Gavins Point is already at bankfull. Gavins Point releases were increased to 60,000 cfs this afternoon and will be slowly ramped up over the coming days, possibly reaching 75,000 cfs in June unless conditions improve. This will eventually necessitate a similar magnitude increase in Fort Randall's releases.

Travel time for water released from Garrison Dam to reach the Bismarck area is about 36 hours. River managers are expecting stages of approximately 16.5 to 17 feet in the Bismarck area when the river stabilizes. The Corps' Omaha District office has deployed technical teams to help prepare for flood fighting around Bismarck and to assess the flood potential in the Pierre area.

"As already seen in other parts of the nation, high water years always bring pain and suffering with them," said Farhat. "We are doing everything we can to protect people and

their property and reduce the extent and impact of flood stages along the Missouri. The situation in the Missouri River basin is changing rapidly and planned releases are subject to change with little notice." Residents who live and work in flood-prone areas should remain vigilant and be prepared to follow recommendations from their local emergency management offices.

For more information, visit the Spring 2011 Flood Response site at www.nwo.usace.army.mil.

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<<http://us.vocuspr.com/Url.aspx?520028x486114x-457220>>

If you would rather not receive future communications from U.S. Army Corps of Engineers, let us know by clicking here. <<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x315969x3x1875270x24000x6&Email=Steven.A.Fischer%40usace.army.mil>>

U.S. Army Corps of Engineers, 1616 Capitol Ave., Omaha, NE 68102 United States

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 2:33 PM
To: Eckert Uptmor, Kayla A NWO; 'Alan Burnt (NE Governor's Office)'; 'alan.feyerherm@mail.house.gov'; 'Andera Travnicek (ND Governors Office)'; 'Ann Thomas Johnston (NE Terry)'; 'Anne Thimsen (SD Noem)'; 'Ansley Mick (NE Smith)'; 'Ben Ready (SD Thune)'; 'Brad Schweer (Terry)'; 'Brian Clifford (WY Barrasso)'; 'Brian Dunnigan (NE Governor's Office)'; 'brianne_dugan@baucus.senate.gov'; 'Chris Tomassi (WY Enzi)'; 'Dan English (SD Thune)'; 'Darrell_Podany@Johanns.senate.gov'; 'David Spryncznatyk (ND Governor's Office)'; 'dayle_williamson@bennelson.senate.gov'; 'Dean.Mathisen@mail.house.gov'; 'deb.vanmatre@mail.house.gov'; 'Edwin Elfmann (IA King)'; 'Eric Bierwagen (MT Rehberg)'; 'erick_lutt@bennelson.senate.gov'; 'Erik Nelson (SD Johnson)'; 'Janelle DiLuccia (SD Johnson)'; 'Jason Glodt (SD Governor's Office)'; 'Judith Roberts (ND Berg)'; 'kate_howard@bennelson.senate.gov'; 'Kevin Caulfield (ND Berg)'; 'Kristi Wallin (WY Barrasso)'; 'Lindsey Christmas (ND Berg) (lindsey.christman@mail.house.gov)'; 'Louis.pofahl@mail.house.gov'; 'Mark Matulka (NE Governor's Office)'; 'marty_boeckel@conrad.senate.gov'; 'Mary.Hollatz@mail.house.gov'; 'nancy_johner@johanns.senate.gov'; 'nathan_vanderPlatts@harkin.senate.gov'; 'Patrick Lehman (Johanns)'; 'patrick_leahy@bennelson.senate.gov'; 'pete.Obermueller@mail.house.gov'; 'Phil_Erdman@johanns.senate.gov'; 'Renee Latterell (SD Noem)'; 'Robin Bailey (WY Enzi)'; 'Ron Rauschenberger (ND Governors Office)'; 'Ross Keys (ND Conrad) (Ross_Keys@conrad.senate.gov)'; 'ryan.mcconnaughey@mail.house.gov'; 'Schwietert, David (Thune)'; 'shane_goettle@hoeven.senate.gov'; 'Sharon Boysen (SD Johnson)'; 'Sheena Wilson (MT Governor's Office)'; 'sherry_kuntz@grassley.senate.gov'; 'Shuhai Zheng (NE)'; 'Spencer Gray (MT Baucus)'; 'Susan France (NE)'; 'Suzanne Vennis (SD Noem) (Suzanne.vennis@mail.house.gov)'; 'Ted Stopulos'; 'Thomas "Tucker" Fagan (WY Lummis)'; 'Todd Sando (ND State Water Commission)'; 'Tom Nelson (ND Berg)'; 'Tracee Sutton (ND Conrad)'; 'WY Governor's Office'; 'Zachary Nelson (Zach_Nelson@bennelson.senate.gov)'; 'Aaron Popelka (KS Sen Moran/DC)'; 'Angelynn Morgan (Kansas Division of Emergency Management)'; 'Bob Ziehmer (MO Dept of Conservation Director)'; 'Brian Klippenstein (MO Blunt)'; 'Chris Brown (MO-9 Luetkemeyer/DC)'; 'Christina Mahoney (MO -5 Cleaver)'; 'Corey Dukes (MO McCaskill)'; 'Dan Engemann (MO-9 Luetkemeyer/State)'; 'Earl Lewis (KS Water Office Deputy Director)'; 'Eric Bohl (MO-4 Hartzler/DC)'; 'Jonathan Mason (MO-6 Graves/DC)'; 'Melissa Roe (MO-6 Graves)'; 'Wells, Mike MVS External Stakeholder'; 'Paul Parmenter (MO State EM Agency Director)'; 'Peter Henry (MO Blunt)'; 'Ryan Flickner (KS Roberts/DC)'; 'Sara Parker Pauley (MO DNR Director)'; 'Tim Diemler (MO State EM Agency Deputy Director)'; 'Tracy Streeter (KS Water Office Director)'; 'waters4@ix.netcom.com'
Cc: Bertino, John J Jr NWO; Blechinger, Erik T NWO; [REDACTED] NWK; Farhat, Jody S NWD02; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD; Michaels, Robert J NWO; Oldham, Margaret NWO; Ruch, Robert J COL NWO; [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Tipton, Robert A Col NWD; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK
Subject: RE: USACE Congressional and State Missouri River Flood Status call

All: One additional note. We are asking that we keep the call to Congressional Members and staff and State Governor's and staff. We appreciate your understanding in not sharing the call in number at this point in time beyond your immediate office so that we can offer you ample time for questions and answers prior to the release of the information to the general public at 1800 hrs today. Secondly, please remember to mute your phones so that we have minimum feedback and please identify yourself when you speak for the good of all.

Regards,
[REDACTED]

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 2:17 PM

To: [REDACTED] NWO; 'Alan Burnt (NE Governor's Office)';
'alan.feyerherm@mail.house.gov'; 'Andera Travnicek (ND Governors Office)'; 'Ann Thomas Johnston (NE Terry)'; 'Anne Thimsen (SD Noem)'; 'Ansley Mick (NE Smith)'; 'Ben Ready (SD Thune)'; 'Brad Schweer (Terry)'; 'Brian Clifford (WY Barrasso)'; 'Brian Dunnigan (NE Governor's Office)'; 'brianne_dugan@baucus.senate.gov'; 'Chris Tomassi (WY Enzi)'; 'Dan English (SD Thune)'; 'Darrell_Podany@Johanns.senate.gov'; 'David Spryncznatyk (ND Governor's Office)'; 'dayle_williamson@bennelson.senate.gov'; 'Dean.Mathisen@mail.house.gov';
'deb.vanmatre@mail.house.gov'; 'Edwin Elfmann (IA King)'; 'Eric Bierwagen (MT Rehberg)';
'erick_lutt@bennelson.senate.gov'; 'Erik Nelson (SD Johnson)'; 'Janelle DiLuccia (SD Johnson)'; 'Jason Glodt (SD Governor's Office)'; 'Judith Roberts (ND Berg)';
'kate_howard@bennelson.senate.gov'; 'Kevin Caulfield (ND Berg)'; Kristi Wallin (WY Barrasso); Lindsey Christmas (ND Berg) (lindsey.christman@mail.house.gov);
'Louis.pofahl@mail.house.gov'; 'Mark Matulka (NE Governor's Office)';
'marty_boeckel@conrad.senate.gov'; Mary.Hollatz@mail.house.gov;
'nancy_johner@johanns.senate.gov'; 'nathan_vanderPlatts@harkin.senate.gov'; 'Patrick Lehman (Johanns)'; 'patrick_leahy@bennelson.senate.gov'; 'pete.Obermueller@mail.house.gov';
'Phil_Erdman@johanns.senate.gov'; 'Renee Latterell (SD Noem)'; 'Robin Bailey (WY Enzi)'; 'Ron Rauschenberger (ND Governors Office)'; Ross Keys (ND Conrad) (Ross_Keys@conrad.senate.gov);
'ryan.mcconnaughey@mail.house.gov'; Schwietert, David (Thune);
'shane_goettle@hoeven.senate.gov'; 'Sharon Boysen (SD Johnson)'; 'Sheena Wilson (MT Governor's Office)'; 'sherry_kuntz@grassley.senate.gov'; 'Shuhai Zheng (NE)'; 'Spencer Gray (MT Baucus)'; 'Susan France (NE)'; Suzanne Vennis (SD Noem) (Suzanne.vennis@mail.house.gov);
'Ted Stopulos'; 'Thomas "Tucker" Fagan (WY Lummis)'; 'Todd Sando (ND State Water Commission)'; 'Tom Nelson (ND Berg)'; Tracee Sutton (ND Conrad); 'WY Governor's Office'; Zachary Nelson (Zach_Nelson@bennelson.senate.gov); Aaron Popelka (KS Sen Moran/DC); Angelynn Morgan (Kansas Division of Emergency Management); Bob Ziehmer (MO Dept of Conservation Director); Brian Klippenstein (MO Blunt); Chris Brown (MO-9 Luetkemeyer/DC); Christina Mahoney (MO -5 Cleaver); Corey Dukes (MO McCaskill); Dan Engemann (MO-9 Luetkemeyer/State); Earl Lewis (KS Water Office Deputy Director); 'Eric Bohl (MO-4 Hartzler/DC)'; 'Jonathan Mason (MO-6 Graves/DC)'; Melissa Roe (MO-6 Graves); Mike Wells (MO DNR Deputy Director); Paul Parmenter (MO State EM Agency Director); Peter Henry (MO Blunt); Ryan Flickner (KS Roberts/DC); Sara Parker Pauley (MO DNR Director); Tim Diemler (MO State EM Agency Deputy Director); Tracy Streeter (KS Water Office Director); waters4@ix.netcom.com
Cc: Bertino, John J Jr NWO; Blechinger, Erik T NWO; [REDACTED] NWK; Farhat, Jody S NWD02; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD; Michaels, Robert J NWO; Oldham, Margaret NWO; Ruch, Robert J COL NWO; [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Tipton, Robert A Col NWD; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK
Subject: RE: USACE Congressional and State Missouri River Flood Status call

Thank you for your understanding, the call has been confirmed as follows:

WHAT: Flood Fight Update Call with Congressional and State staff
WHEN: Saturday, 28 May 2011 at 1630 hrs CST

USA Toll-Free: (877)336-1828
ACCESS CODE: 1054750

Please let me know if you have any questions.

Regards,

[REDACTED]
Chief of Planning
Congressional Liaison
US Army Corps of Engineers
Omaha District

1616 Capitol Avenue
Omaha, NE 68102-4901

[REDACTED] (o)
[REDACTED] (c)

-----Original Message-----

From: [REDACTED] NWO

Sent: Friday, May 27, 2011 2:02 AM

To: Alan Burnt (NE Governor's Office); alan.feyerherm@mail.house.gov; Andera Travnicek (ND Governors Office); Ann Thomas Johnston (NE Terry); Anne Thimsen (SD Noem); Ansley Mick (NE Smith); Ben Ready (SD Thune); Brad Schweer (Terry); Brian Clifford (WY Barrasso); Brian Dunnigan (NE Governor's Office); brianne_dugan@baucus.senate.gov; Chris Tomassi (WY Enzi); Dan English (SD Thune); Darrell_Podany@Johanns.senate.gov; David Spryncznatyk (ND Governor's Office); dayle_williamson@bennelson.senate.gov; Dean.Mathisen@mail.house.gov; deb.vanmatre@mail.house.gov; Edwin Elfmann (IA King); Eric Bierwagen (MT Rehberg); erick_lutt@bennelson.senate.gov; Erik Nelson (SD Johnson); Janelle DiLuccia (SD Johnson); Jason Glodt (SD Governor's Office); Judith Roberts (ND Berg); kate_howard@bennelson.senate.gov; Kevin Caulfield (ND Berg); Kristi Wallin (WY Barrasso); Lindsey Christmas (ND Berg) (lindsey.christman@mail.house.gov); Louis.pofahl@mail.house.gov; Mark Matulka (NE Governor's Office); marty_boeckel@conrad.senate.gov; Mary.Hollatz@mail.house.gov; nancy_johner@johanns.senate.gov; nathan_vanderPlatts@harkin.senate.gov; Patrick Lehman (Johanns); patrick_leahy@bennelson.senate.gov; pete.Obermueller@mail.house.gov; Phil_Erdman@johanns.senate.gov; Renee Latterell (SD Noem); Robin Bailey (WY Enzi); Ron Rauschenberger (ND Governors Office); Ross Keys (ND Conrad) (Ross_Keys@conrad.senate.gov); ryan.mcconnaughey@mail.house.gov; Schwietert, David (Thune); shane_goettle@hoeven.senate.gov; Sharon Boysen (SD Johnson); Sheena Wilson (MT Governor's Office); sherry_kuntz@grassley.senate.gov; Shuhai Zheng (NE); Spencer Gray (MT Baucus); Susan France (NE); Suzanne Vennis (SD Noem) (Suzanne.vennis@mail.house.gov); Ted Stopulos; Thomas "Tucker" Fagan (WY Lummis); Todd Sando (ND State Water Commission); Tom Nelson (ND Berg); Tracee Sutton (ND Conrad); WY Governor's Office; Zachary Nelson (Zach_Nelson@bennelson.senate.gov); Aaron Popelka (KS Sen Moran/DC); Angelynn Morgan (Kansas Division of Emergency Management); Bob Ziehmer (MO Dept of Conservation Director); Brian Klippenstein (MO Blunt); Chris Brown (MO-9 Luetkemeyer/DC); Christina Mahoney (MO -5 Cleaver); Corey Dukes (MO McCaskill); Dan Engemann (MO-9 Luetkemeyer/State); Earl Lewis (KS Water Office Deputy Director); Eric Bohl (MO-4 Hartzler/DC); Jonathan Mason (MO-6 Graves/DC); Melissa Roe (MO-6 Graves); Mike Wells (MO DNR Deputy Director); Paul Parmenter (MO State EM Agency Director); Peter Henry (MO Blunt); Ryan Flickner (KS Roberts/DC); Sara Parker Pauley (MO DNR Director); Tim Diemler (MO State EM Agency Deputy Director); Tracy Streeter (KS Water Office Director)
Cc: Bertino, John J Jr NWO; Blechinger, Erik T NWO; [REDACTED] NWK; [REDACTED] A NWO; Farhat, Jody S NWD02; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD; Michaels, Robert J NWO; Oldham, Margaret NWO; Ruch, Robert J COL NWO; [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Tipton, Robert A Col NWD

Subject: USACE Congressional and State Missouri River Flood Status call

Thank you to all who participated in the call on 26 May 2011. We recognize it was short notice to move it from the afternoon to the early morning, but as Omaha District Commander COL Robert Ruch has committed, we are trying to get the most current information to you as quickly as possible. As agreed to on today's call, our next update is scheduled for Saturday, 28 May 2011, at 0800 hrs CST. The call in number is below.

WHAT: Flood Fight Update Call with Congressional and State staff
WHEN: Saturday, 28 May 2011 at 0800 hrs CST

USA Toll-Free: [REDACTED]

ACCESS CODE: [REDACTED]

Please let me know if you have any questions and/or concerns.

Regards,

[REDACTED]
Chief of Planning
Congressional Liaison
US Army Corps of Engineers
Omaha District
1616 Capitol Avenue
Omaha, NE 68102-4901

[REDACTED] (o)

[REDACTED] (c)

NWO

From: [REDACTED] HQ02
Sent: Saturday, May 28, 2011 2:24 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Farhat, Jody S NWD02; Grode, Kevin R NWD02
Subject: FW: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Hello All-FYSA. I have requested and continue to ask NWD to include you in the distribution list.

Jody/[REDACTED]-please add the above E&C technical team members to your distribution.

Thanks,
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 1:20 AM
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Here is the latest update for the missouri river basin as reported by BG McMahon in an email to his superiors tonight. The condition continues to worsen by the day. If the 5 day qpf materializes, and hpc has a good degree of confidence that it will, we will have to increase releases sooner than planned and will be at rates nearly double our previous record high from fort peck, garrison and oahe within the week. These increase releases will eventually be passed down through the other 3 reservoirs and into the lower river. This will result in historic flooding (since the system was built) in the upper portion of the basin and perhaps higher than the 1993 flood in the lower basin.

More details will be forth coming tomorrow.

Note to NWD leaders: I am sending this update to the WM team at HQ per their instructions that I should report to them anything I report to the CG. As such, I will also add the cc list to any email I send to HQ for your SA.

Jody

----- Original Message -----

From: McMahon, John R BG NWD
To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO
Sent: Fri May 27 21:23:22 2011
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir:
Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there. Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.
VR, John

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Tipton, Robert A Col NWD
Sent: Saturday, May 28, 2011 2:17 PM
To: Farhat, Jody S NWD02; [REDACTED] NWD
Cc: Smith, Thomas P COL HQ02; Anderson, G Witt NWD
Subject: Re: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Thanks Jody - just don't get in front of the CG and don't feel overly pressured to send right away. We have to discipline HQ a little as all of the staff is pushing to get the info first.

I would prefer you send the updates to our EOC and cc HQ WM - that would send the right msg that the EOC channels are the only official channels, but then the HQ WM folks are getting the timely info they want.

I am ccing the HQ G3, COL Smith, as I think this is in line with how the HQ would like to see official traffic flow.

RT

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] HQ02
To: Farhat, Jody S NWD02; UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED]
W HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO
Sent: Sat May 28 11:59:02 2011
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody-thanks.
Dave

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 1:20 AM
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED]
HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Here is the latest update for the missouri river basin as reported by BG McMahon in an email to his superiors tonight. The condition continues to worsen by the day. If the 5 day qpf materializes, and hpc has a good degree of confidence that it will, we will have to increase releases sooner than planned and will be at rates nearly double our previous record high from fort peck, garrison and oahe within the week. These increase releases will eventually be passed down through the other 3 reservoirs and into the lower river. This will result in historic flooding (since the system was built) in the upper portion of the basin and perhaps higher than the 1993 flood in the lower basin.

More details will be forth coming tomorrow.

Note to NWD leaders: I am sending this update to the WM team at HQ per their instructions that I should report to them anything I report to the CG. As such, I will also add the cc list to any email I send to HQ for your SA.

Jody

----- Original Message -----

From: McMahon, John R BG NWD

To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO

Sent: Fri May 27 21:23:22 2011

Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir:

Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there. Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.

VR, John

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 2:17 PM
To: Eckert Uptmor, Kayla A NWO; 'Alan Burnt (NE Governor's Office)'; 'alan.feyerherm@mail.house.gov'; 'Andera Travnicek (ND Governors Office)'; 'Ann Thomas Johnston (NE Terry)'; 'Anne Thimsen (SD Noem)'; 'Ansley Mick (NE Smith)'; 'Ben Ready (SD Thune)'; 'Brad Schweer (Terry)'; 'Brian Clifford (WY Barrasso)'; 'Brian Dunnigan (NE Governor's Office)'; 'brianne_dugan@baucus.senate.gov'; 'Chris Tomassi (WY Enzi)'; 'Dan English (SD Thune)'; 'Darrell_Podany@Johanns.senate.gov'; 'David Spryncznatyk (ND Governor's Office)'; 'dayle_williamson@bennelson.senate.gov'; 'Dean.Mathisen@mail.house.gov'; 'deb.vanmatre@mail.house.gov'; 'Edwin Elfmann (IA King)'; 'Eric Bierwagen (MT Rehberg)'; 'erick_lutt@bennelson.senate.gov'; 'Erik Nelson (SD Johnson)'; 'Janelle DiLuccia (SD Johnson)'; 'Jason Glodt (SD Governor's Office)'; 'Judith Roberts (ND Berg)'; 'kate_howard@bennelson.senate.gov'; 'Kevin Caulfield (ND Berg)'; 'Kristi Wallin (WY Barrasso)'; 'Lindsey Christmas (ND Berg) (lindsey.christman@mail.house.gov)'; 'Louis.pofahl@mail.house.gov'; 'Mark Matulka (NE Governor's Office)'; 'marty_boeckel@conrad.senate.gov'; 'Mary.Hollatz@mail.house.gov'; 'nancy_johner@johanns.senate.gov'; 'nathan_vanderPlatts@harkin.senate.gov'; 'Patrick Lehman (Johanns)'; 'patrick_leahy@bennelson.senate.gov'; 'pete.Obermueller@mail.house.gov'; 'Phil_Erdman@johanns.senate.gov'; 'Renee Latterell (SD Noem)'; 'Robin Bailey (WY Enzi)'; 'Ron Rauschenberger (ND Governors Office)'; 'Ross Keys (ND Conrad) (Ross_Keys@conrad.senate.gov)'; 'ryan.mcconnaughey@mail.house.gov'; 'Schwietert, David (Thune)'; 'shane_goettle@hoeven.senate.gov'; 'Sharon Boysen (SD Johnson)'; 'Sheena Wilson (MT Governor's Office)'; 'sherry_kuntz@grassley.senate.gov'; 'Shuhai Zheng (NE)'; 'Spencer Gray (MT Baucus)'; 'Susan France (NE)'; 'Suzanne Vennis (SD Noem) (Suzanne.vennis@mail.house.gov)'; 'Ted Stopulos'; 'Thomas "Tucker" Fagan (WY Lummis)'; 'Todd Sando (ND State Water Commission)'; 'Tom Nelson (ND Berg)'; 'Tracee Sutton (ND Conrad)'; 'WY Governor's Office'; 'Zachary Nelson (Zach_Nelson@bennelson.senate.gov)'; 'Aaron Popelka (KS Sen Moran/DC)'; 'Angelynn Morgan (Kansas Division of Emergency Management)'; 'Bob Ziehmer (MO Dept of Conservation Director)'; 'Brian Klippenstein (MO Blunt)'; 'Chris Brown (MO-9 Luetkemeyer/DC)'; 'Christina Mahoney (MO -5 Cleaver)'; 'Corey Dukes (MO McCaskill)'; 'Dan Engemann (MO-9 Luetkemeyer/State)'; 'Earl Lewis (KS Water Office Deputy Director)'; 'Eric Bohl (MO-4 Hartzler/DC)'; 'Jonathan Mason (MO-6 Graves/DC)'; 'Melissa Roe (MO-6 Graves)'; 'Wells, Mike MVS External Stakeholder'; 'Paul Parmenter (MO State EM Agency Director)'; 'Peter Henry (MO Blunt)'; 'Ryan Flickner (KS Roberts/DC)'; 'Sara Parker Pauley (MO DNR Director)'; 'Tim Diemler (MO State EM Agency Deputy Director)'; 'Tracy Streeter (KS Water Office Director)'; 'waters4@ix.netcom.com'
Cc: Bertino, John J Jr NWO; Blechinger, Erik T NWO; [REDACTED] NWK; Farhat, Jody S NWDO2; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD; Michaels, Robert J NWO; Oldham, Margaret NWO; Ruch, Robert J COL NWO; Salak, Jennifer NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Tipton, Robert A Col NWD; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK
Subject: RE: USACE Congressional and State Missouri River Flood Status call

Thank you for your understanding, the call has been confirmed as follows:

WHAT: Flood Fight Update Call with Congressional and State staff
WHEN: Saturday, 28 May 2011 at 1630 hrs CST

USA Toll-Free: [REDACTED]
ACCESS CODE: [REDACTED]

Please let me know if you have any questions.

Regards,
[REDACTED]

Chief of Planning
Congressional Liaison
US Army Corps of Engineers
Omaha District
1616 Capitol Avenue
Omaha, NE 68102-4901

[REDACTED] (o)
[REDACTED] (c)

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 2:02 AM
To: Alan Burnt (NE Governor's Office); alan.feyerherm@mail.house.gov; Andera Travnicek (ND Governors Office); Ann Thomas Johnston (NE Terry); Anne Thimsen (SD Noem); Ansley Mick (NE Smith); Ben Ready (SD Thune); Brad Schweer (Terry); Brian Clifford (WY Barrasso); Brian Dunnigan (NE Governor's Office); brianne.dugan@baucus.senate.gov; Chris Tomassi (WY Enzi); Dan English (SD Thune); Darrell.Podany@Johanns.senate.gov; David Spryncznatyk (ND Governor's Office); dayle.williamson@bennelson.senate.gov; Dean.Mathisen@mail.house.gov; deb.vanmatre@mail.house.gov; Edwin Elfmann (IA King); Eric Bierwagen (MT Rehberg); erick.lutt@bennelson.senate.gov; Erik Nelson (SD Johnson); Janelle DiLuccia (SD Johnson); Jason Glodt (SD Governor's Office); Judith Roberts (ND Berg); kate.howard@bennelson.senate.gov; Kevin Caulfield (ND Berg); Kristi Wallin (WY Barrasso); Lindsey Christmas (ND Berg) (lindsey.christman@mail.house.gov); Louis.pofahl@mail.house.gov; Mark Matulka (NE Governor's Office); marty.boeckel@conrad.senate.gov; Mary.Hollatz@mail.house.gov; nancy.johner@johanns.senate.gov; nathan.vanderPlatts@harkin.senate.gov; Patrick Lehman (Johanns); patrick.leahy@bennelson.senate.gov; pete.Obermueller@mail.house.gov; Phil.Erdman@johanns.senate.gov; Renee Latterell (SD Noem); Robin Bailey (WY Enzi); Ron Rauschenberger (ND Governors Office); Ross Keys (ND Conrad) (Ross.Keys@conrad.senate.gov); ryan.mcconnaughey@mail.house.gov; Schwietert, David (Thune); shane.goettler@hoeven.senate.gov; Sharon Boysen (SD Johnson); Sheena Wilson (MT Governor's Office); sherry.kuntz@grassley.senate.gov; Shuhai Zheng (NE); Spencer Gray (MT Baucus); Susan France (NE); Suzanne Vennis (SD Noem) (Suzanne.vennis@mail.house.gov); Ted Stopulos; Thomas "Tucker" Fagan (WY Lummis); Todd Sando (ND State Water Commission); Tom Nelson (ND Berg); Tracee Sutton (ND Conrad); WY Governor's Office; Zachary Nelson (Zach.Nelson@bennelson.senate.gov); Aaron Popelka (KS Sen Moran/DC); Angelynn Morgan (Kansas Division of Emergency Management); Bob Ziehmer (MO Dept of Conservation Director); Brian Klippenstein (MO Blunt); Chris Brown (MO-9 Luetkemeyer/DC); Christina Mahoney (MO -5 Cleaver); Corey Dukes (MO McCaskill); Dan Engemann (MO-9 Luetkemeyer/State); Earl Lewis (KS Water Office Deputy Director); Eric Bohl (MO-4 Hartzler/DC); Jonathan Mason (MO-6 Graves/DC); Melissa Roe (MO-6 Graves); Mike Wells (MO DNR Deputy Director); Paul Parmenter (MO State EM Agency Director); Peter Henry (MO Blunt); Ryan Flickner (KS Roberts/DC); Sara Parker Pauley (MO DNR Director); Tim Diemler (MO State EM Agency Deputy Director); Tracy Streeter (KS Water Office Director)
Cc: Bertino, John J Jr NWO; Blechinger, Erik T NWO; [REDACTED] NWK; [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO; Jordano, James J LTC NWO; [REDACTED] NWD; Michaels, Robert J NWO; Oldham, Margaret NWO; Ruch, Robert J COL NWO; Salak, Jennifer NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; Tipton, Robert A Col NWD
Subject: USACE Congressional and State Missouri River Flood Status call

Thank you to all who participated in the call on 26 May 2011. We recognize it was short notice to move it from the afternoon to the early morning, but as Omaha District Commander COL Robert Ruch has committed, we are trying to get the most current information to you as

quickly as possible. As agreed to on today's call, our next update is scheduled for Saturday, 28 May 2011, at 0800 hrs CST. The call in number is below.

WHAT: Flood Fight Update Call with Congressional and State staff

WHEN: Saturday, 28 May 2011 at 0800 hrs CST

USA Toll-Free: [REDACTED]

ACCESS CODE: [REDACTED]

Please let me know if you have any questions and/or concerns.

Regards,

[REDACTED]

Chief of Planning

Congressional Liaison

US Army Corps of Engineers

Omaha District

1616 Capitol Avenue

Omaha, NE 68102-4901

[REDACTED] (o)

[REDACTED] (c)

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 2:11 PM
To: [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02
Subject: FW: Saturday Update on Upcoming Heavy Rain Event (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Slides 3-14 from the first link have some river forecasts

-----Original Message-----

From: Billings.NWS@noaa.gov [<mailto:Billings.NWS@noaa.gov>]
Sent: Saturday, May 28, 2011 1:55 PM
To: [REDACTED] NWO
Subject: Saturday Update on Upcoming Heavy Rain Event
Importance: High

For Today's update on the upcoming rain event and increase snowmelt late this week see the briefing at this link:

<http://www.wrh.noaa.gov/byz/briefing/SigWxBrief/player.html>

Please monitor our web site for the latest updates at <http://weather.gov/billings> Find us on Facebook at <http://www.facebook.com/US.NationalWeatherService.Billings.gov>

NWS Billings, MT

Do not reply to this email. If you would like to contact the National Weather Service in Billings, MT, call 1-406-652-0851. If you would prefer to be removed from these emails or have other questions, contact Tom Frieders by phone or email tom.frieders@noaa.gov

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] HQ02
Sent: Saturday, May 28, 2011 1:59 PM
To: Farhat, Jody S NWD02; UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody-thanks.
Dave

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 1:20 AM
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Here is the latest update for the missouri river basin as reported by BG McMahon in an email to his superiors tonight. The condition continues to worsen by the day. If the 5 day qpf materializes, and hpc has a good degree of confidence that it will, we will have to increase releases sooner than planned and will be at rates nearly double our previous record high from fort peck, garrison and oahe within the week. These increase releases will eventually be passed down through the other 3 reservoirs and into the lower river. This will result in historic flooding (since the system was built) in the upper portion of the basin and perhaps higher than the 1993 flood in the lower basin.

More details will be forth coming tomorrow.

Note to NWD leaders: I am sending this update to the WM team at HQ per their instructions that I should report to them anything I report to the CG. As such, I will also add the cc list to any email I send to HQ for your SA.

Jody

----- Original Message -----

From: McMahon, John R BG NWD
To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO
Sent: Fri May 27 21:23:22 2011
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir:

Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there. Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.

VR, John

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] HQ02
Sent: Saturday, May 28, 2011 1:58 PM
To: [REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] NWD; [REDACTED] NWD
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] MVM; [REDACTED] HQ02
Subject: RE: Flood Fight Story Board and Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

~~REDACTED~~-thanks. Given how thin we are, by sending this to our entire team, if one of us is on TDY, sick, on leave, etc, we aren't reliant on any one person to ensure timely receipt of info.

The storyboard and talking points look great! There's lots of basic info contained in them. In addition to them, please send us the daily summaries you are getting from the Districts in the fight. In addition to the storyboard and talking points, the summaries provide our technical team daily insight into the hydrologic, hydraulic and operational strategy and decisions your team is making. In order to interpret individual and systemic decisions being made in the field for senior leaders and command staff, we need to be able to follow your assessments, logic and ensuing operational strategy.

Know that we have absolutely no interest, desire or ability to second-guess or interfere in any way with the fight in the field. To the contrary, we respect and have full confidence in the NWD and District team. As I mentioned earlier, the EM chain is insufficient, by itself, to keep HQ senior leaders and command staff situationally aware. Hence our need for a solid, steady stream of H&H, and Dam and Levee Safety info. The same goes for Public Affairs. We've found it critically important to work all 3 chains simultaneously in order to ensure timely receipt and clear understanding of the totality of "the battlefield", (as they term it at the UOC).

In a nutshell, we need the technical summaries and your storyboard and talking points for 3 main reasons:

1) to ensure our senior leaders and command staff are telling POTUS and Executive Staff, Congress, other Federal Agencies, the media and the general public exactly the same information that is being told at the District and Division for clarity and consistency of message up and down the line; 2) to allow the HQ E&C technical team to understand operational issues and decisions being made in the field and being able to answer specific questions from our senior leaders and command staff to the greatest extent possible (when we need additional clarification, we contact you guys for assistance in properly responding to specific questions) and 3) to support and assist the field in terms of any needed human, data and financial resources that might arise as the fight ensues (a good recent example of that was Charles Pearre (our HQ E&C Emergency Cadre Coordinator) providing Surya names of E&C Cadre volunteers to assist multiple Districts that were needing additional folks, across multiple disciplines, to help cover the bases).

Hopefully this provides greater insight into our motivation and need for full information from the NWD team. Through dealing with a range of flooding emergencies across the country over the span of the last decade, we have learned what is needed to adequately inform HQ senior leaders and command staff and fully support the field during times of emergency operations.

Thanks,

-----Original Message-----

From: [REDACTED] NWD02

Sent: Friday, May 27, 2011 7:48 PM

To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] MVM

Cc: Farhat, Jody S NWD02; [REDACTED] NWD; [REDACTED] NWD

Subject: FW: Flood Fight Story Board and Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Our apologies. We thought this information was making it to you.

Monique, please add the folks on the To: line to the distribution list.

[REDACTED]
[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE
[REDACTED]

[REDACTED] (fax)

-----Original Message-----

From: Farmer, Monique L NWO

Sent: Friday, May 27, 2011 10:46 AM

To: DLL-CENWO-EOC CMT-ALL

Cc: CENWD-EOC NWD; [REDACTED] NWO; [REDACTED] HQ02

Subject: Flood Fight Story Board and Talking Points (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Good morning all:

Please find the attached Flood Fight Storyboard (including main stem reservoir bulletin information) and Talking Points (at the back) for your use today.

V r,

Monique

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Schenk, Kathryn M NWO
Sent: Saturday, May 28, 2011 12:56 PM
To: Farhat, Jody S NWD02
Subject: FW: Big Bend - Tribal Contacts (UNCLASSIFIED)

Jody,

FYI. Hang in there. Katie.

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 7:23 PM
To: Schenk, Kathryn M NWO; [REDACTED] NWO
Subject: Re: Big Bend - Tribal Contacts (UNCLASSIFIED)

Katie

I called and spoke to Megan, archaeologist from Oahe.

Two concerns during this event:

- erosion on bank with the increased flow.
- If areas are flooded and underwater, when the water recedes there is 'deflation' exposing additional artifacts.

I asked if she had any concerns between OA and BB. She mentioned Farm Island (deflation) and the Crow Creek massacre site (erosion) below BB. The Crow Creek site will depend on the height of the rip-rap.

Keith

----- Original Message -----

From: Schenk, Kathryn M NWO
To: [REDACTED] NWO
Sent: Fri May 27 16:42:54 2011
Subject: RE: Big Bend - Tribal Contacts (UNCLASSIFIED)

Probably should. Things are getting crazy and it would be good to know impacts, if possible. Katie.

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 6:13 PM
To: Schenk, Kathryn M NWO
Subject: Re: Big Bend - Tribal Contacts (UNCLASSIFIED)

Katie

I was tied up all day and did not get a chance to call Julie. I could call our arc tonight to see if she has any concerns.

Right now Lake Sharpe is at EL1419.5 which is 1/2 foot below where we normally operate. According to the settlement agreement with LBST and CCST operating between EL1419 and EL1422 was acceptable in regards to cultural resources.

----- Original Message -----

From: Schenk, Kathryn M NWO

To: [REDACTED] NWO

Sent: Fri May 27 15:44:33 2011

Subject: FW: Big Bend - Tribal Contacts (UNCLASSIFIED)

[REDACTED]
How did this turn out? Katie.

-----Original Message-----

From: Farhat, Jody S NWD02

Sent: Thursday, May 26, 2011 11:53 PM

To: [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO

Cc: [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02

Subject: RE: Big Bend - Tribal Contacts (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] - can you talk to Julie Price to see if they would expect any impacts to cultural resources due to lowering the Big Bend pool.

[REDACTED] - you may have heard about our new release forecasts - far above previous record releases from all six dams. You and your staff should probably engage soon to see if there will be impacts across the basin due to high reservoirs and record releases. Joel is starting to engage the tribes and cultural resources will certainly come up. Would be nice to be able to tell them we're looking at it.

Jody

-----Original Message-----

From: [REDACTED] NWO

Sent: Thursday, May 26, 2011 12:55 PM

To: Schenk, Kathryn M NWO

Cc: [REDACTED] NWO; [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWD02

Subject: Big Bend - Tribal Contacts (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Katie

I visited the LBST and CCST tribal halls this morning to give them a heads up on lake levels and current water discharge plans.

At Lower Brule I was able to brief Council member Orvill "Red" Langdeau Jr. I left him with my card and he said he would brief the Chairman and council.

At Crow Creek the Chairman and council were unavailable. I left a business card and said I would stop in again today or tomorrow morning.

Lake Sharpe is currently ~ EL1419.1 and it is visible along the rip-rap that we are down.

Pumps

We are loading up two 16" Pumps and hose sets right now. They are heading to Bismarck, ND.

v/r

[REDACTED]
Operations Project Manager
Big Bend Project
"The Jewel on the Missouri River"

[REDACTED]
[REDACTED] Fax

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

██████████ NWO

From: ██████████ NWD
Sent: Saturday, May 28, 2011 12:46 PM
To: Farhat, Jody S NWD02
Cc: ██████████, Raymond ██████████ NWD
Subject: Fw: Todays call

Importance: High

Jody,

There is a 1200 PST (1400CST) update to HQs today. Can one of your folks be on it to discuss issues / discharges? I'm afraid we won't be conversant enough for HQs.

██████████ will provide our updates and then turn it over to your POC.

██████████

----- Original Message -----

From: ██████████ HQ02
To: ██████████ NWD
Sent: Sat May 28 10:19:57 2011
Subject: Todays call

You may want to have your water control folks on the call. KDA and MG temple may be on the call. Iam unable to be on the call. But if you need anything let me know. I will be on the call sunday and monday.

NWO

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 12:32 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] NWD; [REDACTED] NWD; Farhat, Jody S NWD02
Subject: RE: Issue of UOC updates from Water Managers (UNCLASSIFIED)
Attachments: Current River Stages 5-28-11.pptx

John, thanks for your email clarifying what you guys need and sorry if you haven't gotten what you needed from us. On the Columbia Basin, we have been briefing the Command every few days and preparing briefing packages for that rather than every day as Jody has been doing given her situation. I have forwarded slides for any briefings we have done, and will start sending them more often if that is needed. We got a request last week through MG Temple and our Deputy Commander for sending 2-3 slides to HQ to succinctly summarize our situation rather than the 8-10 slides we had been sending. We are working on that more concise set of 2-3 slides and will try to get something up to you by Monday or sooner if needed. Our situation has not changed appreciable from what is shown in the last set of slides we sent. I attached a slide showing the river situation as of this morning to give you a better sense of where things stand. Please let us know if you have questions or need more information now.

Thanks

-----Original Message-----

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 10:59 AM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED] LRDOR; [REDACTED] SWD; [REDACTED] MVD; [REDACTED] SAD; [REDACTED] NAD; [REDACTED] A@ POD; [REDACTED] SPD; [REDACTED] NWD
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: Issue of UOC updates from Water Managers (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED

Caveats: NONE

Jody/all water managers,

I have been out of the office the past few days and stepped into the UOC here at HQ this morning and was immediately hit with a barrage of questions on both operations and flooding in the Missouri River basin. I also see an exchange of information in emails below.

This brings me to a conclusion that maybe we at HQ have not properly informed MSC's of our needs or expectations during flood events. I suspect we are fairly spoiled by LRD and MVD with their great responses dating back to the 2008 Miss R floods.

In general we have several needs at HQ. The UOC (USACE Operations Center) which is the "daily" equivalent of your EOC's monitors, tracks and "funds" all emergency or event based operations (and preparedness) for USACE across the world. They coordinate all activities or situational events with all our fellow federal agencies. HQ's Leadership are expected to know before their Leadership when something happens within a USACE operated or impacted system. This is not happening!

Bottom Line is - ""if you brief it to your General it needs to be sent to the UOC""

Logistics of who - H&H does not work in the UOC. We are on call for information, briefings and special situations. Therefore, please send daily updates to "UOC Internal" and include [REDACTED], [REDACTED], [REDACTED] and [REDACTED] on the Cc so we can be situationally aware of what is going on in your region before we are hammered.

The UOC Internal goes to a large group of people that are permanent to the UOC. These people develops briefs everyday and send them out to both Leadership and other Federal agencies as necessary. They have a meteorologist and they brief weather and use our input for impacts.

We now have a new system where we bring people such as yourselves for "events" such as the Miss R flood. When you TDY to work an event you become the HQ H&H person responsible for determining what is going on everywhere for every event and why we are doing what we are doing or what are we going to do about it. Believe me, everyone up the chain and leadership in every agency asks this for every event.

What to send? I have attached a few examples of both daily and event oriented stuff.

Thanks

[REDACTED]

Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone [REDACTED]
Cell [REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Wednesday, May 25, 2011 8:50 AM
To: [REDACTED] HQ02; [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

A record pool is anticipated at Oahe, but not at Garrison or Fort Peck at this time.

-----Original Message-----

From: [REDACTED] HQ02
Sent: Wednesday, May 25, 2011 7:00 AM
To: Farhat, Jody S NWD02; [REDACTED] HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Much appreciate that summary. For Garrison and Oahe record releases, is there record pools as well?

Thanks,

[REDACTED]

National Dam Safety Program Manager
US Army Corps of Engineers - HQ
[REDACTED] (office)
[REDACTED] (cell)
[REDACTED]@usace.army.mil

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Wednesday, May 25, 2011 7:30 AM
To: Shippy, David L HQ02
Cc: Hobb, Terry L HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] NWD02; [REDACTED] NWD02
Subject: RE: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] - I wasn't aware of the requirement.

Here's a snapshot for this morning.

Fort Peck: 2245.3, up 0.6 feet since ydy; top of gates 2250; current release rate 10,000 cfs
Garrison: 1850.7, up 0.3 feet; top of gates 1854; current release rate 70,000 cfs (record release)
Oahe: 1617.9, up 0.2 feet; top of gates 1620; current release 65,000 cfs (record release) Big Bend - normal operations
Fort Randall: 1356.0, up 0.5 feet; top of gates 1375; current release rate 59,000 cfs
Gavins Point - normal operations; current release rate 60,000 cfs

Big bend and Gavins Point have very little flood control storage and are currently within the normal operating range. Releases from Garrison to Gavins Point will be increased to the 85,000 cfs range over the coming week to two weeks.

Jody

-----Original Message-----

From: [REDACTED] HQ02
Sent: Wednesday, May 25, 2011 3:41 AM
To: Farhat, Jody S NWD02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Hi Jody-you need to be sending HQ daily reservoir summaries when you're experiencing flooding. Please copy all of us on the cc line above. Also, we need them by 0830 EDT to have them in time to be of use at the 0900 UOC briefing.
The EM chain isn't sufficient, we need info via the H&H chain. Know that we're not picking on you--everyone is expected to keep us posted during flooding.
Thanks for your help with this.
Dave

-----Original Message-----

From: [REDACTED] HQ02

Sent: Tuesday, May 24, 2011 10:25 PM
To: S [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Dave,

Looks like NWD is not reporting to the UOC or HQ.

[REDACTED]
Senior Hydraulic Engineer
Headquarters, US Army Corps of Engineers
441 G St. NW
Washington DC 20314-1000
Phone 2 [REDACTED]
Cell 2 [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 6:16 PM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

See note below.

[REDACTED]
[REDACTED]
Chief Engineering and Construction
HQ U.S. Army Corps of Engineers
Office: [REDACTED]
Cell: [REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Tuesday, May 24, 2011 10:19 AM
To: Grisoli, William T MG HQ02; [REDACTED] HQ02; [REDACTED] HQ02; Smith,
Thomas P COL HQ02; [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYSA.....

[REDACTED]
[REDACTED]
Director Civil Works, USACE

(W) [REDACTED]
(Cell) [REDACTED]
[REDACTED]@us.army.mil

-----Original Message-----

From: [REDACTED] HQ
Sent: Tuesday, May 24, 2011 8:38 AM
To: [REDACTED] HQ02
Subject: FW: Lots more water coming down the Missouri River - now! (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

FYI

[REDACTED]
Deputy Chief (Civil Works)
Northwestern Division
Regional Integration Team (RIT)
U.S. Army Corps of Engineers
441 G Street, NW
3C93
Washington, D.C. 20314-1000

[REDACTED] (voice)
[REDACTED] (fax)
[REDACTED] (mobile)

[REDACTED]@usace.army.mil

-----Original Message-----

From: U.S. Army Corps of Engineers [mailto:kevin.r.quinn@usace.army.mil]
Sent: Monday, May 23, 2011 6:29 PM
To: [REDACTED] NWK
Subject: Lots more water coming down the Missouri River - now!

<file:///C:/DOCUME~1/g6pa9krq/LOCALS~1/Temp/msohtmlclip1/01/clip_image001.jpg>

U.S. ARMY CORPS OF ENGINEERS
BUILDING STRONG®
NEWS RELEASE

For Immediate Release: May 23, 2011
Contact: Kevin R. Quinn 402-995-2419
kevin.r.quinn@usace.army.mil
Jody Farhat 402-996-3840
jody.s.farhat@usace.army.mil

Lots more water coming down the Missouri River - now!

Omaha, Neb. - Repeated rounds of heavy rain across Montana and the Dakotas, coupled with far above normal mountain snowpack, have pushed reservoirs to a level which calls for aggressive water releases from Missouri River mainstem dams, said Jody Farhat, Chief of the Corps' Missouri River Basin Water Management Division in Omaha.

"The upper Missouri River is seeing dramatic increases in flows, particularly after as much as eight inches of rain fell over the weekend in portions of eastern Montana and western North Dakota," Farhat said. "Unusually heavy precipitation, combined with late season heavy snowpack in parts of the Missouri Basin, means we will see near-record runoff in the Missouri basin."

Farhat thinks it is possible that Garrison Dam may be within a foot of the top of its spillway gates by this time next week. "We're beginning to make some major adjustments to water releases, starting with Fort Peck south to Gavins Point Dam and expect to do so for some time since the extended forecast is calling for more of the same."

Garrison Dam releases were increased to 60,000 cubic feet per second (cfs) today and will be stepped up until they reach 75,000 cfs on Wednesday. At the same time, releases from the upstream reservoir Fort Peck will be reduced from the current rate of 20,000 cfs to 10,000 cfs to help stem the rise of Garrison reservoir. Garrison reservoir is expected to reach 1853 feet by this weekend due to the high flow on the Yellowstone and Little Missouri Rivers. Fort Peck reservoir is also climbing rapidly due to weekend's rainfall and low elevation snowmelt. It is expected to rise 2 feet this week, reaching 2246 by the weekend.

Oahe Dam releases will transition from 60,000 cfs today to 70,000 cfs by mid-week. Farhat expects the Oahe reservoir to reach 1618 feet by the weekend and continue to slowly drift upward over the next few weeks, perhaps peaking in mid-June. The record pool at Oahe is 1618.7 feet, set in 1995 and repeated in 1996. The peak pool level in 1997 was 0.1 foot lower at 1618.6.

Fort Randall has some space to store water, but the river reach between there and Gavins Point is already at bankfull. Gavins Point releases were increased to 60,000 cfs this afternoon and will be slowly ramped up over the coming days, possibly reaching 75,000 cfs in June unless conditions improve. This will eventually necessitate a similar magnitude increase in Fort Randall's releases.

Travel time for water released from Garrison Dam to reach the Bismarck area is about 36 hours. River managers are expecting stages of approximately 16.5 to 17 feet in the Bismarck area when the river stabilizes. The Corps' Omaha District office has deployed technical teams to help prepare for flood fighting around Bismarck and to assess the flood potential in the Pierre area.

"As already seen in other parts of the nation, high water years always bring pain and suffering with them," said Farhat. "We are doing everything we can to protect people and their property and reduce the extent and impact of flood stages along the Missouri. The situation in the Missouri River basin is changing rapidly and planned releases are subject to change with little notice." Residents who live and work in flood-prone areas should remain vigilant and be prepared to follow recommendations from their local emergency management offices.

For more information, visit the Spring 2011 Flood Response site at www.nwo.usace.army.mil.

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<<http://us.vocuspr.com/Url.aspx?520028x486114x-457220>>

If you would rather not receive future communications from U.S. Army Corps of Engineers, let us know by clicking here. <<http://USACEARMY.pr-optout.com/OptOut.aspx?520028x24691x315969x3x1875270x24000x6&Email=Steven.A.Fischer%40usace.army.mil>>

U.S. Army Corps of Engineers, 1616 Capitol Ave., Omaha, NE 68102 United States

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 12:33 PM
To: Farhat, Jody S NWD02
Subject: Re: Number (UNCLASSIFIED)

Any idea when? Currently talking about evacuation times.

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWO
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO
Sent: Sat May 28 10:23:53 2011
Subject: Number (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] - see email trail below. I think it's 150, but you may want to confirm with COL Ruch before going public.

-----Original Message-----

From: [REDACTED], Kimberly S NWO
Sent: Saturday, May 28, 2011 11:40 AM
To: Ruch, Robert J COL NWO; Farhat, Jody S NWD02
Subject: RE: Lake Audubon (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Talked to Jody and Todd, starting right now with the 150K cfs until Jody's folks have numbers.

Thanks,

[REDACTED]
[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[REDACTED]@usace.army.mil

-----Original Message-----

From: Ruch, Robert J COL NWO
Sent: Saturday, May 28, 2011 11:24 AM
To: Farhat, Jody S NWD02; [REDACTED] NWO
Subject: Fw: Lake Audubon (UNCLASSIFIED)

Need advice to Todd asap.
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: Ruch, Robert J COL NWO
Sent: Sat May 28 09:08:59 2011
Subject: Re: Lake Audubon (UNCLASSIFIED)

Sir,
We need a number. TAG indicated that per conversation with BG it could be up to 140k. Per conv with Jody and crew I heard potentially significantly higher? Hard to make good decisions without numbers.

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Ruch, Robert J COL NWO
To: [REDACTED] NWO
Sent: Sat May 28 09:00:46 2011
Subject: Re: Lake Audubon (UNCLASSIFIED)

Thanks - about to land in Pierre.
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: [REDACTED] NWO
Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; 'PErger@usbr.gov' <PErger@usbr.gov>; 'GAycock@usbr.gov' <GAycock@usbr.gov>; 'dkrogstad@usbr.gov' <dkrogstad@usbr.gov>; 'mmarohl@usbr.gov' <mmarohl@usbr.gov>; Thomas, Kimberly S NWO; Johnston, Paul T HQ@ NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; Ruch, Robert J COL NWO; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Johnston, Paul T HQ@ NWO; [REDACTED] NWO
Sent: Sat May 28 08:49:50 2011
Subject: Re: Lake Audubon (UNCLASSIFIED)

FYI

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: [REDACTED] NWO
Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; 'Erger, Patrick J' <PErger@usbr.gov>; 'Ayccock, Gordon L' <GAycock@usbr.gov>; 'DKrogstad@usbr.gov' <DKrogstad@usbr.gov>; 'mmarohl@usbr.gov' <mmarohl@usbr.gov>; [REDACTED] NWO; Johnston, Paul T NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; Ruch, Robert J COL NWO;

[REDACTED] NWD02; [REDACTED] NWD; [REDACTED] NWO; [REDACTED] NWO;
[REDACTED] NWO

Sent: Sat May 28 07:35:07 2011

Subject: FW: Lake Audubon (UNCLASSIFIED)

Todd - We have decided to begin pumping from Garrison Reservoir into Lake Audubon to take advantage of 150,000 AF of storage available in Lake Audubon. Pumping will begin at about noon today. Final pool level has not been determined. We will continue to evaluate impacts and over the next several days determine the final pool level. Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day.

I have provided this information to Linda Phelps and she will relay this information at the Lake Audubon Cabin Association meeting at 9:30 a.m. today.

I will relay this information to stakeholders as soon as I check with Kevin Grode.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

-----Original Message-----

From: [REDACTED] NWD02

Sent: Saturday, May 28, 2011 8:58 AM

To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02

Cc: Remus, John I NWO; Temeyer, Timothy E NWO

Subject: Lake Audubon (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Given the recent turn of weather/regulation circumstances, Omaha District will prepare a regulation order to begin pumping activity in order to take advantage of the 150,000 AF available in Lake Audubon. They can pump about 5,000 AF/day. Current elevation is 1847'. Impacts begin at 1850'. Per the area-capacity table below, appears that it will take about two weeks to get to 1850'.

Doug has been coordinating this with the NWD in Portland to make sure we have all our i's dotted and t's crossed.

1846.5 - 330,000 acre-feet
1850.0 - 400,000 acre-feet
1854.0 - 490,000 acre-feet

Kevin Grode, P.E.
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE
402.996.3870
402.996.3898 (fax)

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 6:06 PM
To: [REDACTED] NWO
Cc: [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED]
NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWO
Subject: RE: Lake Audubon

Following are responses to your questions:

1. From everything we have been able to find, the operation plan for Garrison Reservoir assumes the usage of Lake Audubon for flood control operations, even though the water control plan for Lake Audubon states there is no flood control storage in Lake Audubon. Reference statements in the following documents:

Snake Creek Embankment (Lake Audubon) Analysis of Design.

Note statement "A low level conduit will be provide in the embankment to permit (b) Snake Creek pool to rise and fall with the main reservoir, if desired (and thus provide for full utilization of the flood control storage),...".

Design Memorandum MGR-143, Lake Audubon Study.

Note paragraph 4.2.3 "In 1961, a cooperative agreement between the Secretary of the Army (Corps of Engineers) and the Secretary of Interior (U.S. Fish and Wildlife) was implemented to benefit fish and wildlife. The operational plan was not to conflict with the primary purposes of the operation of Lake Sakakawea."

2. The plan would encompass gravity flow through gated structure in embankment up to 900 cfs and pumping of water from Garrison Reservoir to Lake Audubon at rate of 2200 cfs. The need is to use flood control storage allocated at Garrison Reservoir for water management operations, including the storage in Lake Audubon. If all available flood control storage is not utilized, there is potential for higher releases from the reservoir that could increase downstream flood damages.

3. I am not sure about identification of the elevations of the islands and the known plover nests, or the potential to relocate known plover nests to minimize potential impacts. This will require additional coordination with U.S. Fish & Wildlife, and/or Garrison Project Office.

Please contact me if you have any questions.

Thanks, [REDACTED]

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 2:30 PM
To: [REDACTED] NWO
Subject: Lake Audubon

Tim,

I have a few questions I'm hoping you can address:

1. Does the operation plan for Garrison allow the use of Audubon Lake for storage in situation like we are currently experiencing? If so, could you point me to where that is

stated? In the Water Control Manual for Lake Audubon, it seems to hint at that but it's not exactly clear (see pages 3-2 to 3-4).

2. Is there a written description of what the PLAN would encompass (e.g., a need to move water over in order to free space for impending participation/snowmelt)? You stated concerns with rain, plain snowmelt, and mountain snowpack, which would provide justification for the plan, and if water is not evacuated out of Lake Sakakawea, potential flooding could occur to...?

3. Is there any potential to identify the elevations of the islands and the known plover nests? With this in mind, is there any potential to relocate known plover nests to minimize potential impacts or would the entire island(s) succumb to pumped water and be flooded?

[REDACTED]
Environmental Resources Specialist
Corps of Engineers, Omaha District
1616 Capitol Avenue
Omaha, Nebraska 68102-4901
Phone: ([REDACTED])

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWK
Sent: Saturday, May 28, 2011 12:15 PM
To: Farhat, Jody S NWD02
Subject: RE: CMT Briefing Call-In for Saturday, 28 May (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I don't think you are needed for the CMT Brief...just situational awareness. We understand you have hotter fires right now.

We are still trying to determine the frequency of these meetings before we send out meeting notices.

Thanks!! You're doing great!!

U.S. Army Corps of Engineers
CENWK-PM-CJ
601 E. 12th Street
Kansas City, MO 64106
P: ()

-----Original Message-----
From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 12:06 PM
To: [REDACTED] NWK
Subject: RE: CMT Briefing Call-In for Saturday, 28 May (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Robin - first, would it be possible for you to send meeting notices out rather than emails so it will post directly to everyone's calendar. I have hundreds of unread emails and don't have time to sort through them.

Second, is there an agenda for this call and am I expected to be on it?

Thanks, Jody

-----Original Message-----
From: [REDACTED] NWK
Sent: Saturday, May 28, 2011 9:27 AM
To: [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
L NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
Hofmann, Anthony J COL NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
Cc: [REDACTED] NWK; [REDACTED] NWK; Farhat, Jody S NWD02; [REDACTED] NWK;
NWO; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;

NWK - EOC - BC

Classification: UNCLASSIFIED

Caveats: NONE

WebMeeting Information:

<https://webmeeting.att.com>

Meeting Number: 8886848852

Call Number

1-888-684-8852

Access code: 0000000000000000

Security Code: [REDACTED]

U.S. Army Corps of Engineers

CENWK-PM-CJ

601 E. 12th Street

Kansas City, MO 64106

P: (b)(6), (b)(7)(C) 382-382

-----Original Message-----

From: ~~blunkum, Robin~~ NWK

Sent: Friday, May 27, 2011 3:47 PM

To: [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED]
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED]
NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED]
NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; Ross, Gale A NWK;
[REDACTED] NWK; [REDACTED]; [REDACTED] NWK; [REDACTED] NWK

Cc: [REDACTED] NWK; [REDACTED] NWK; Farhat, Jody S NWD02; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK;
[REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; [REDACTED] NWK; DLL-

NWK - EOC - BC

Subject: CMT Briefing Call-In for Saturday, 28 May (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Please plan on calling in or attending the CMT Briefing for Joplin Tornado and MO River Flood Fight at 1300 on Saturday, 28 May:

Call Number

Access code: [REDACTED]

Security Code: [REDACTED]

Battle Captain
[REDACTED]

U.S. Army Corps of Engineers
CENWK-PM-CJ
601 E. 12th Street
Kansas City, MO 64106
P: ([REDACTED])

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Anderson, G Witt NWD
Sent: Saturday, May 28, 2011 12:13 PM
To: Farhat, Jody S NWD02
Subject: Re: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Great. Don't hesitate to let me know if anything I can do in any way to help.

Mostly, I am trying to stay out of your way. You are doing tremendous work!

Witt

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: Anderson, G Witt NWD
Sent: Sat May 28 10:10:08 2011
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

I've picked up Roy McAllister and am working on getting Jeff McClenathan - both have worked in this office before. We're also going to utilize Rose beginning on Tuesday. We'll see how that works out and will let you know if we need more.

Thanks for asking.

Jody

-----Original Message-----

From: Anderson, G Witt NWD
Sent: Saturday, May 28, 2011 11:42 AM
To: Farhat, Jody S NWD02
Subject: Re: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Jody, not to bother you, but let me know if you need staff support from Jim's shop. I know he talked to you about it.

Witt

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD
Sent: Sat May 28 09:40:37 2011
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

John - will do. We're getting more staff in place and will provide an update to the NWD-EOC by 1700 CST. It will be coming from Roy McAllister, cc'd on this message. Please add him to the distribution lists as you did for Mike and Kevin.

Jody

-----Original Message-----

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 11:35 AM
To: Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: FW: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

Hopefully this will help but I suspect it will not completely eliminate distractions to you. I think it would be good for you to provide the CENWD-EOC a daily update as of 1700CST (or at least point us in the right direction) on efforts going on in your AO. We can include your update into our SITREPs we send to HQs. We get and release SITREPS from NWO and NWK on a daily basis already so nothing more elaborate is needed. This should hopefully feed the beast.

John

-----Original Message-----

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 9:28 AM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; Tipton, Robert A Col NWD; Smith, Thomas P COL HQ02; [REDACTED] HQ02; Farhat, Jody S NWD02; CENWD-EOC NWD; [REDACTED] NWD; [REDACTED] NWD; Langdale, Arthur NWD
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Gentlemen,

I discussed this email with the Witt Anderson, NWD Programs Director before sending to you. We understand and appreciate the amount of attention being made to the worsening conditions in the upper MO River basin. Because the need for information is high and trying to maintain focus on the significant amount of effort required out of our Districts and Missouri Water Management Office, we ask that you please use the CENWD-EOC and the HQs UOC as your primary means of requesting and obtaining information requirements and taskings. We will add you to our distribution list and insure you have up to date information as it becomes available.

POCs my office are [REDACTED], [REDACTED], or myself.

Thanks for your understanding,

[REDACTED]
[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division

O: ([REDACTED])

C: ([REDACTED])

-----Original Message-----

From: [REDACTED] HQ02 On Behalf Of CE-UOC HQ02

Sent: Saturday, May 28, 2011 12:35 AM

To: Farhat, Jody S NWD02

Cc: DLL-HQ-UOCInternal

Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

UOC Acknowledges receipt!

V/R,

[REDACTED]
Operations Officer
HQUSACE Operations Center
202-761-1001

-----Original Message-----

From: Farhat, Jody S NWD02

Sent: Saturday, May 28, 2011 1:20 AM

To: UOC Internal; Webb, Jerry W HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO

Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Here is the latest update for the missouri river basin as reported by BG McMahon in an email to his superiors tonight. The condition continues to worsen by the day. If the 5 day qpf materializes, and hpc has a good degree of confidence that it will, we will have to increase releases sooner than planned and will be at rates nearly double our previous record high from fort peck, garrison and oahe within the week. These increase releases will eventually be passed down through the other 3 reservoirs and into the lower river. This will result in historic flooding (since the system was built) in the upper portion of the basin and perhaps higher than the 1993 flood in the lower basin.

More details will be forth coming tomorrow.

Note to NWD leaders: I am sending this update to the WM team at HQ per their instructions that I should report to them anything I report to the CG. As such, I will also add the cc list to any email I send to HQ for your SA.

Jody

----- Original Message -----

From: McMahon, John R BG NWD

To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02

Cc: Stockton, Steven L HQ02; Durham-Aguilera, Karen L HQ02; Anderson, G Witt NWD; Hearn, James J NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO
Sent: Fri May 27 21:23:22 2011
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir:
Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there. Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.
VR, John

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Wink & Linda F. NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 11:57 AM
To: 'terry_ellsworth@fws.gov'; 'mmarohl@usbr.gov'; 'todd_frerichs@fws.gov'; 'jalee@nd.gov';
'jkelsch@nd.gov'; 'glevi@nd.gov'; 'kkovar@daktel.com'; 'Dyke, Steve R.'; 'davek@daktel.com';
'ggere@usbr.gov'; 'dfewless@state.nd.us'; 'kgoff@nd.gov'; 'lloyd_jones@fws.gov'
Cc: 'DKrogstad@usbr.gov'; 'Ayccock, Gordon L'; 'Erger, Patrick J'; [REDACTED] NWO;
[REDACTED] NWD02; Farhat, Jody S NWD02; Beyer, Ronald S NWO; Remus, John I NWO;
[REDACTED] NWO; [REDACTED] NWO; Bertino, John J Jr NWO; [REDACTED] Kevin
NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Schenk,
Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Thomas
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] Kathryn
NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] Richard NWO; [REDACTED]
Thomas NWO; [REDACTED] NWD; [REDACTED] NWO; [REDACTED] Doug
NWD02; Johnston, Paul T HQ@ NWO; Oldham, Margaret NWO

Subject: Lake Audubon Pool Levels

Corps of Engineers Missouri River Water Management Division has decided utilize storage available in Lake Audubon as part of Garrison Reservoir flood control operations. Bureau of Reclamation will initiate pumping and open gravity flow conduit at about noon today. Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day.

Final pool level for Lake Audubon has not been determined. We will continue to evaluate impacts and over the next several days to determine the final pool level. Corps of Engineers personnel will initiate emergency Section 7 consultation with U.S. Fish & Wildlife Service today.

Thanks,

Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 7:18 PM
To: 'terry_ellsworth@fws.gov'; 'mmarohl@usbr.gov'; 'todd_frerichs@fws.gov'; 'jalee@nd.gov';
'jkelsch@nd.gov'; 'glevi@nd.gov'; 'kkovar@daktel.com'; 'Dyke, Steve R.'; 'davek@daktel.com';
'ggere@usbr.gov'; 'dfewless@state.nd.us'; 'kgoff@nd.gov'; 'lloyd_jones@fws.gov'
Cc: 'DKrogstad@usbr.gov'; 'Aycock, Gordon L'; 'Erger, Patrick J'; [REDACTED] NWO;
[REDACTED] NWD02; Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO;
[REDACTED] NWO; [REDACTED] NWO; Bertino, John J Jr NWO; [REDACTED] NWD02;
[REDACTED] W NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] A NWO; Schenk, Kathryn M NWO; [REDACTED]
D NWO; [REDACTED] E NWO; [REDACTED] S NWO; [REDACTED] M NWO; Swenson, Michael
A NWD02; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED]
[REDACTED] NWO; [REDACTED] NWO; [REDACTED] A NWD; [REDACTED] M NWO;
[REDACTED] NWD02
Subject: Meeting of Lake Audubon Oversight Committee

Conference call with Lake Audubon was held at 2:00 p.m. today. Attached are agency comments received before the call (labeled May 26), and agency comments discussed during call (labeled May 27).

One item that has not been discussed is the potential for higher pool levels in Lake Audubon if a large rainfall occurs within the Lake Audubon drainage basin. Based upon Design Memorandum MGR-143, Lake Audubon Study, September 1976, runoff from a 100-year rainfall over Lake Audubon contributing area would be 16,650 acre-feet and would cause a 0.8 foot rise in the Lake Audubon pool level. Runoff from the Standard Project rainfall would be 37,300 acre-feet and would result in a 1.8 foot increase in the Lake Audubon pool level.

Agency comments are being provided to the Missouri River Water Management Division, and this information will be used in determining need for use of available storage in Lake Audubon. We will notify you of any decisions or additional coordination requirements.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

NWO

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 11:46 AM
To: Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWO
Subject: Re: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Will do.

----- Original Message -----

From: Farhat, Jody S NWD02
To: [REDACTED] NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWO
Sent: Sat May 28 09:40:37 2011
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

John - will do. We're getting more staff in place and will provide an update to the NWD-EOC by 1700 CST. It will be coming from Roy McAllister, cc'd on this message. Please add him to the distribution lists as you did for Mike and Kevin.

Jody

-----Original Message-----

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 11:35 AM
To: Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: FW: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED

Caveats: NONE

Jody,

Hopefully this will help but I suspect it will not completely eliminate distractions to you. I think it would be good for you to provide the CENWD-EOC a daily update as of 1700CST (or at least point us in the right direction) on efforts going on in your AO. We can include your update into our SITREPs we send to HQs. We get and release SITREPS from NWO and NWK on a daily basis already so nothing more elaborate is needed. This should hopefully feed the beast.

John

-----Original Message-----

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 9:28 AM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Anderson, G Witt NWD; Tipton, Robert A Col NWD; Smith, Thomas P COL HQ02; [REDACTED],
[REDACTED] HQ02; Farhat, Jody S NWD02; CENWD-EOC NWD; [REDACTED] NWD; [REDACTED]
NWD; [REDACTED] NWD
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Gentlemen,

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POCs my office are Mike Beaird, MAJ Ray Love, or myself.

Thanks for your understanding,
[REDACTED]

[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division

O: ([REDACTED])

C: ([REDACTED])

-----Original Message-----

From: [REDACTED] HQ02 On Behalf Of CE-UOC HQ02
Sent: Saturday, May 28, 2011 12:35 AM
To: Farhat, Jody S NWD02
Cc: DLL-HQ-UOCInternal
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

UOC Acknowledges receipt!

V/R,

[REDACTED]
Operations Officer
HQUSACE Operations Center
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 1:20 AM
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED]
HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T
NWO
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

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More details will be forth coming tomorrow.

Note to NWD leaders: I am sending this update to the WM team at HQ per their instructions that I should report to them anything I report to the CG. As such, I will also add the cc list to any email I send to HQ for your SA.

Jody

----- Original Message -----

From: McMahon, John R BG NWD

To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO

Sent: Fri May 27 21:23:22 2011

Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir:

Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there. Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.

VR, John

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Anderson, G Witt NWD
Sent: Saturday, May 28, 2011 11:42 AM
To: Farhat, Jody S NWD02
Subject: Re: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Jody, not to bother you, but let me know if you need staff support from Jim's shop. I know he talked to you about it.

Witt

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Farhat, Jody S NWD02
To: Leighow, John K NWD
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED]
NWD; [REDACTED] NWO
Sent: Sat May 28 09:40:37 2011
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] - will do. We're getting more staff in place and will provide an update to the NWD-EOC by 1700 CST. It will be coming from Roy McAllister, cc'd on this message. Please add him to the distribution lists as you did for Mike and Kevin.

Jody

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From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 11:35 AM
To: Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: FW: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

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[REDACTED]
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From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 9:28 AM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; Tipton, Robert A Col NWD; Smith, Thomas P COL HQ02; [REDACTED],
[REDACTED] HQ02; Farhat, Jody S NWD02; CENWD-EOC NWD; [REDACTED] NWD; [REDACTED]
NWD; [REDACTED] NWD
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John

[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division
O: [REDACTED]
C: [REDACTED]

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Cc: DLL-HQ-UOCInternal
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Classification: UNCLASSIFIED
Caveats: NONE

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V/R,

[REDACTED]
Operations Officer
HQUSACE Operations Center
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
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To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO

Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

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Jody

----- Original Message -----

From: McMahon, John R BG NWD

To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO

Sent: Fri May 27 21:23:22 2011

Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir:

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VR, John

Classification: UNCLASSIFIED

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 11:40 AM
To: Ruch, Robert J COL NWO; Farhat, Jody S NWD02
Subject: RE: Lake Audubon (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Talked to Jody and Todd, starting right now with the 150K cfs until Jody's folks have numbers.

Thanks,
[REDACTED]

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[REDACTED]@usace.army.mil

-----Original Message-----

From: Ruch, Robert J COL NWO
Sent: Saturday, May 28, 2011 11:24 AM
To: Farhat, Jody S NWD02; Thomas, Kimberly S NWO
Subject: Fw: Lake Audubon (UNCLASSIFIED)

Need advice to Todd asap.
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: Ruch, Robert J COL NWO
Sent: Sat May 28 09:08:59 2011
Subject: Re: Lake Audubon (UNCLASSIFIED)

Sir,
We need a number. TAG indicated that per conversation with BG it could be up to 140k. Per conv with Jody and crew I heard potentially significantly higher? Hard to make good decisions without numbers.

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Ruch, Robert J COL NWO
To: [REDACTED] NWO
Sent: Sat May 28 09:00:46 2011

Subject: Re: Lake Audubon (UNCLASSIFIED)

Thanks - about to land in Pierre.

V/R,

COL Bob Ruch

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO

To: Temeyer, Timothy E NWO

Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; 'PErger@usbr.gov' <PErger@usbr.gov>; 'GAYcock@usbr.gov' <GAYcock@usbr.gov>; 'dkrogstad@usbr.gov' <dkrogstad@usbr.gov>; 'mmarohl@usbr.gov' <mmarohl@usbr.gov>; [REDACTED] NWO; Johnston, Paul T HQ@ NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; Ruch, Robert J COL NWO; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Johnston, Paul T HQ@ NWO; [REDACTED] NWO

Sent: Sat May 28 08:49:50 2011

Subject: Re: Lake Audubon (UNCLASSIFIED)

FYI

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO

To: [REDACTED] NWO

Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; 'Erger, Patrick J' <PErger@usbr.gov>; 'Aycok, Gordon L' <GAYcock@usbr.gov>; 'DKrogstad@usbr.gov' <DKrogstad@usbr.gov>; 'mmarohl@usbr.gov' <mmarohl@usbr.gov>; Thomas, Kimberly S NWO; Johnston, Paul T NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; Ruch, Robert J COL NWO; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO

Sent: Sat May 28 07:35:07 2011

Subject: FW: Lake Audubon (UNCLASSIFIED)

Todd - We have decided to begin pumping from Garrison Reservoir into Lake Audubon to take advantage of 150,000 AF of storage available in Lake Audubon. Pumping will begin at about noon today. Final pool level has not been determined. We will continue to evaluate impacts and over the next several days determine the final pool level. Lake Audubon pool level will initially rise at a rate of 0.3 to 0.4 feet per day.

I have provided this information to Linda Phelps and she will relay this information at the Lake Audubon Cabin Association meeting at 9:30 a.m. today.

I will relay this information to stakeholders as soon as I check with Kevin Grode.

Thanks,

[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

-----Original Message-----

From: [REDACTED] NWD02
Sent: Saturday, May 28, 2011 8:58 AM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Cc: Remus, John I NWO; Temeyer, Timothy E NWO
Subject: Lake Audubon (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Given the recent turn of weather/regulation circumstances, Omaha District will prepare a regulation order to begin pumping activity in order to take advantage of the 150,000 AF available in Lake Audubon. They can pump about 5,000 AF/day. Current elevation is 1847'. Impacts begin at 1850'. Per the area-capacity table below, appears that it will take about two weeks to get to 1850'.

Doug has been coordinating this with the NWD in Portland to make sure we have all our i's dotted and t's crossed.

1846.5 - 330,000 acre-feet
1850.0 - 400,000 acre-feet
1854.0 - 490,000 acre-feet

[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE

[REDACTED] (fax)

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 6:06 PM
To: [REDACTED] NWO
Cc: [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWO
Subject: RE: Lake Audubon

Following are responses to your questions:

1. From everything we have been able to find, the operation plan for Garrison Reservoir assumes the usage of Lake Audubon for flood control operations, even though the water control plan for Lake Audubon states there is no flood control storage in Lake Audubon. Reference statements in the following documents:

Snake Creek Embankment (Lake Audubon) Analysis of Design.

Note statement "A low level conduit will be provide in the embankment to permit (b) Snake Creek pool to rise and fall with the main reservoir, if desired (and thus provide for full utilization of the flood control storage),...".

Design Memorandum MGR-143, Lake Audubon Study.

Note paragraph 4.2.3 "In 1961, a cooperative agreement between the Secretary of the Army (Corps of Engineers) and the Secretary of Interior (U.S. Fish and Wildlife) was implemented

to benefit fish and wildlife. The operational plan was not to conflict with the primary purposes of the operation of Lake Sakakawea."

2. The plan would encompass gravity flow through gated structure in embankment up to 900 cfs and pumping of water from Garrison Reservoir to Lake Audubon at rate of 2200 cfs. The need is to use flood control storage allocated at Garrison Reservoir for water management operations, including the storage in Lake Audubon. If all available flood control storage is not utilized, there is potential for higher releases from the reservoir that could increase downstream flood damages.

3. I am not sure about identification of the elevations of the islands and the known plover nests, or the potential to relocate known plover nests to minimize potential impacts. This will require additional coordination with U.S. Fish & Wildlife, and/or Garrison Project Office.

Please contact me if you have any questions.

Thanks, [REDACTED]

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 2:30 PM
To: [REDACTED] NWO
Subject: Lake Audubon

Tim,

I have a few questions I'm hoping you can address:

1. Does the operation plan for Garrison allow the use of Audubon Lake for storage in situation like we are currently experiencing? If so, could you point me to where that is stated? In the Water Control Manual for Lake Audubon, it seems to hint at that but it's not exactly clear (see pages 3-2 to 3-4).

2. Is there a written description of what the PLAN would encompass (e.g., a need to move water over in order to free space for impending participation/snowmelt)? You stated concerns with rain, plain snowmelt, and mountain snowpack, which would provide justification for the plan, and if water is not evacuated out of Lake Sakakawea, potential flooding could occur to...?

3. Is there any potential to identify the elevations of the islands and the known plover nests? With this in mind, is there any potential to relocate known plover nests to minimize potential impacts or would the entire island(s) succumb to pumped water and be flooded?

[REDACTED]
Environmental Resources Specialist
Corps of Engineers, Omaha District
1616 Capitol Avenue
Omaha, Nebraska 68102-4901
Phone: ([REDACTED])

Classification: UNCLASSIFIED

NWO

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 11:35 AM
To: Farhat, Jody S NWD02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: FW: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

Hopefully this will help but I suspect it will not completely eliminate distractions to you. I think it would be good for you to provide the CENWD-EOC a daily update as of 1700CST (or at least point us in the right direction) on efforts going on in your AO. We can include your update into our SITREPs we send to HQs. We get and release SITREPS from NWO and NWK on a daily basis already so nothing more elaborate is needed. This should hopefully feed the beast.

-----Original Message-----

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 9:28 AM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; Tipton, Robert A Col NWD; Smith, Thomas P COL HQ02; [REDACTED] HQ02; Farhat, Jody S NWD02; CENWD-EOC NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

Gentlemen,

I discussed this email with the Witt Anderson, NWD Programs Director before sending to you. We understand and appreciate the amount of attention being made to the worsening conditions in the upper MO River basin. Because the need for information is high and trying to maintain focus on the significant amount of effort required out of our Districts and Missouri Water Management Office, we ask that you please use the CENWD-EOC and the HQs UOC as your primary means of requesting and obtaining information requirements and taskings. We will add you to our distribution list and insure you have up to date information as it becomes available.

POCs my office are Mike Beaird, MAJ Ray Love, or myself.

Thanks for your understanding,

[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division
O: ([REDACTED])

C: [REDACTED]

-----Original Message-----

From: Swofford, Stanley J HQ02 On Behalf Of CE-UOC HQ02
Sent: Saturday, May 28, 2011 12:35 AM
To: Farhat, Jody S NWD02
Cc: DLL-HQ-UOCInternal
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

UOC Acknowledges receipt!

V/R,

[REDACTED]
Operations Officer
HQUSACE Operations Center
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 1:20 AM
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02;
[REDACTED] HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Here is the latest update for the missouri river basin as reported by BG McMahon in an email to his superiors tonight. The condition continues to worsen by the day. If the 5 day qpf materializes, and hpc has a good degree of confidence that it will, we will have to increase releases sooner than planned and will be at rates nearly double our previous record high from fort peck, garrison and oahe within the week. These increase releases will eventually be passed down through the other 3 reservoirs and into the lower river. This will result in historic flooding (since the system was built) in the upper portion of the basin and perhaps higher than the 1993 flood in the lower basin.

More details will be forth coming tomorrow.

Note to NWD leaders: I am sending this update to the WM team at HQ per their instructions that I should report to them anything I report to the CG. As such, I will also add the cc list to any email I send to HQ for your SA.

Jody

----- Original Message -----

From: McMahon, John R BG NWD
To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO
Sent: Fri May 27 21:23:22 2011
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir:

Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there. Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.

VR, John

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 11:28 AM
To: [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; Tipton, Robert A Col NWD; Smith, Thomas P COL HQ02; [REDACTED] HQ02; Farhat, Jody S NWD02; CENWD-EOC NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
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Thanks for your understanding,

[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division

O: [REDACTED]
C: [REDACTED]

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From: [REDACTED] HQ02 On Behalf Of CE-UOC HQ02
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To: Farhat, Jody S NWD02
Cc: DLL-HQ-UOCInternal
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

UOC Acknowledges receipt!

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[REDACTED]
Operations Officer
HQUSACE Operations Center
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02

Sent: Saturday, May 28, 2011 1:20 AM

To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02

Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO

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Jody

----- Original Message -----

From: McMahon, John R BG NWD

To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02

Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO

Sent: Fri May 27 21:23:22 2011

Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir:

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VR, John

NWO

From: Ruch, Robert J COL NWO
Sent: Saturday, May 28, 2011 11:24 AM
To: Farhat, Jody S NWD02; [REDACTED] NWO
Subject: Fw: Lake Audubon (UNCLASSIFIED)

Need advice to Todd asap.
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: Ruch, Robert J COL NWO
Sent: Sat May 28 09:08:59 2011
Subject: Re: Lake Audubon (UNCLASSIFIED)

Sir,
We need a number. TAG indicated that per conversation with BG it could be up to 140k. Per conv with Jody and crew I heard potentially significantly higher? Hard to make good decisions without numbers.

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Ruch, Robert J COL NWO
To: [REDACTED] NWO
Sent: Sat May 28 09:00:46 2011
Subject: Re: Lake Audubon (UNCLASSIFIED)

Thanks - about to land in Pierre.
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: [REDACTED] NWO
Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; 'PEnger@usbr.gov' <PEnger@usbr.gov>; 'GAYcock@usbr.gov' <GAYcock@usbr.gov>; 'dkrogstad@usbr.gov' <dkrogstad@usbr.gov>; 'mmarohl@usbr.gov' <mmarohl@usbr.gov>; Thomas, Kimberly S NWO; Johnston, Paul T HQ@ NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; Ruch, Robert J COL NWO; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Johnston, Paul T HQ@ NWO; [REDACTED] NWO
Sent: Sat May 28 08:49:50 2011
Subject: Re: Lake Audubon (UNCLASSIFIED)

FYI

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO

To: [REDACTED] NWO

Cc: [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWO; 'Erger, Patrick J' <PErger@usbr.gov>; 'Aycok, Gordon L' <GAycok@usbr.gov>; 'DKrogstad@usbr.gov' <DKrogstad@usbr.gov>; 'mmarohl@usbr.gov' <mmarohl@usbr.gov>; [REDACTED] NWO; Johnston, Paul T NWO; Bertino, John J Jr NWO; Schenk, Kathryn M NWO; Ruch, Robert J COL NWO; [REDACTED] NWD02; [REDACTED] NWD; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO

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[REDACTED]
Hydraulic Engineer
Water Control & Water Quality Section
[REDACTED] (office)
[REDACTED] (cell)

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Sent: Saturday, May 28, 2011 8:58 AM

To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02

Cc: [REDACTED] NWO; [REDACTED] NWO

Subject: Lake Audubon (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

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1854.0 - 490,000 acre-feet

Kevin Grode, P.E.

Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE

[REDACTED]
[REDACTED] (fax)

-----Original Message-----

From: [REDACTED] NWO

Sent: Friday, May 27, 2011 6:06 PM

To: [REDACTED] NWO

Cc: [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED]

NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWO

Subject: RE: Lake Audubon

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Please contact me if you have any questions.

Thanks, [REDACTED]

-----Original Message-----

From: [REDACTED] NWO

Sent: Friday, May 27, 2011 2:30 PM

To: [REDACTED] NWO

Subject: Lake Audubon

[REDACTED]

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[REDACTED]

Environmental Resources Specialist
Corps of Engineers, Omaha District
1616 Capitol Avenue
Omaha, Nebraska 68102-4901
Phone: ([REDACTED])

Classification: UNCLASSIFIED
Caveats: NONE

From: Lester Cruse [Lester.Cruse@ergon.com]
Sent: Saturday, May 28, 2011 10:39 AM
Subject: Missouri River WAP HW Trigger Table 05-28-2011
Attachments: MO RIV WAP HW Trigger Table May 28, 2011.xls

<<MO RIV WAP HW Trigger Table May 28, 2011.xls>>

Have a great weekend. Lester

Magnolia Marine Transport Company
Captain Lester Cruse III
Port Captain
Office: (800) 696-5921 24-Hour Number
Desk: (601) 802-8602
Cell: (601) 831-1406
Fax: (601) 638-8475

lester.cruse@ergon.com <<mailto:lester.cruse@ergon.com>>

lcruseiii@gmail.com <<mailto:lcruseiii@gmail.com>>

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Tough times never last, but tough people do with Gods Help!

TRIGGER TABLE

1001

[illegible]

* NOTE: For Falling Gauge Readings Review	Table Columns from Right to Left
**NOTE: Bridge Tender for Union Pacific RR Bridge at Atchison, KS may close the swingspan section when Atchison river gauge reaches 26 ft with a rising river predicted.	
	Normal Operations
	High Water
	Extreme High Water

[illegible][illegible]

NWO

From: Brian Tubbs ([REDACTED])
Sent: Saturday, May 28, 2011 10:04 AM
To: Quinn, Kevin R NWO; Farhat, Jody S NWD02

Dear Mr. Quinn and Ms. Farhat-

I just wanted to take this opportunity to tell you what a bang up job I feel you are doing running the Missouri River water management. It sure is a good thing you have government jobs and are able to hide behind congressional mandated purposes that give you the "discretion" on how to handle water management. If you were employed in the public sector I think it would be safe to say you might be in danger of losing your jobs. I live in Northwest Missouri and from what I am hearing we are all but guaranteed another record flood here and all along the Missouri river. That will be 4 floods in the last 5 years, unbelievable! I've read all the new releases you have put out, I don't want to hear about the record snow pack and more rain in a month than is normally received in a year. What I want to know why you only utilize 22% of the total storage of the dam/reservoir system for flood control. It appears to me if you had evacuated more water, evacuated into that 54% multiple use zone which seems to be so precious that it can't be touched even with a record snowpack looming, we might not be facing a 4th record flood in 5 years here near Rulo, NE.

I sat through a meeting in Holt County, Missouri last summer in which Ms. Farhat said it would be difficult for the Corps to evacuate all water held in the reservoirs at that time prior to the next season, I believe you also mentioned that the forecasts for snowfall/snowpack were above normal at that time which compounded the difficulty the Corps faced. That is somewhat difficult to reconcile with the data and reports you have released since. It is clear that by late November you had returned to the top of the Multiple Use zone for total system storage and maintained that level up until February or March. Things have to change in your management of the river, my representatives will be getting an earful everyday until something changes. At first glance, it appears you are just hiding behind the Congressional mandates as the reasons for your actions, but with the plan of the Army Corps to purchase land all up and down the Missouri River for the mitigation projects coupled with the fact that the Corps requested lists of landowners and information from the County Assessor right before the flood hit last year, it seems there may be more going on and possibly something legally actionable. But, unfortunately for me you have that governmental immunity for discretionary actions on your side. Please reexamine your management of the river, stop trying to work out deals for cities to purchase water from the reservoirs, because it is all you will do is feel the need to maintain that multiple use zone that much more and we will continue to see flood after flood. The name of the act you cite as the reasoning for all that you do is called the DAMN Pick Sloan FLOOD CONTROL ACT of 1944 for gosh sakes. Unbelievable.

Brian

NWO

From: [REDACTED] MVD
Sent: Saturday, May 28, 2011 9:28 AM
To: Farhat, Jody S NWD02
Subject: Missouri Basin updates (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

Would you please copy us your updates to HQ's UOC on the flpoding/reservoir releases in your AOR? At our daily 0800 CDT Commanders' briefs to our CG, a few are starting to ask the impacts of your operations on the lower Missouri and Middle Mississippi. I believe we can cover those questions, but would like to have your updates to make sure we provide them the most accurate info.

By the way, I just realized we have not been including you on our daily updates to HQ. I apologize for that. If you wish, I will add you to our list. Most of the valley below Cairo is still in flood stage and will likely be so during most of June or beyond. The peaks have occurred but we are facing a long recession.

Thanks

[REDACTED]
Chief, Watershed Division
Mississippi Valley Division, USACE
1400 Walnut Street, Vicksburg, MS 39181-0080
Office: [REDACTED] Fax: [REDACTED]
Blackberry: [REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Saturday, May 28, 2011 8:58 AM
To: Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Cc: [REDACTED] NWO; [REDACTED] NWO
Subject: Lake Audubon (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Given the recent turn of weather/regulation circumstances, Omaha District will prepare a regulation order to begin pumping activity in order to take advantage of the 150,000 AF available in Lake Audubon. They can pump about 5,000 AF/day. Current elevation is 1847'. Impacts begin at 1850'. Per the area-capacity table below, appears that it will take about two weeks to get to 1850'.

Doug has been coordinating this with the NWD in Portland to make sure we have all our i's dotted and t's crossed.

1846.5 - 330,000 acre-feet
1850.0 - 400,000 acre-feet
1854.0 - 490,000 acre-feet

[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE

[REDACTED] (fax)

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 6:06 PM
To: [REDACTED] NWO
Cc: [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWO; [REDACTED] NWD; [REDACTED] NWO
Subject: RE: Lake Audubon

Following are responses to your questions:

1. From everything we have been able to find, the operation plan for Garrison Reservoir assumes the usage of Lake Audubon for flood control operations, even though the water control plan for Lake Audubon states there is no flood control storage in Lake Audubon. Reference statements in the following documents:

Snake Creek Embankment (Lake Audubon) Analysis of Design.

Note statement "A low level conduit will be provide in the embankment to permit (b) Snake Creek pool to rise and fall with the main reservoir, if desired (and thus provide for full utilization of the flood control storage),...".

Design Memorandum MGR-143, Lake Audubon Study.

Note paragraph 4.2.3 "In 1961, a cooperative agreement between the Secretary of the Army (Corps of Engineers) and the Secretary of Interior (U.S. Fish and Wildlife) was implemented

to benefit fish and wildlife. The operational plan was not to conflict with the primary purposes of the operation of Lake Sakakawea."

2. The plan would encompass gravity flow through gated structure in embankment up to 900 cfs and pumping of water from Garrison Reservoir to Lake Audubon at rate of 2200 cfs. The need is to use flood control storage allocated at Garrison Reservoir for water management operations, including the storage in Lake Audubon. If all available flood control storage is not utilized, there is potential for higher releases from the reservoir that could increase downstream flood damages.

3. I am not sure about identification of the elevations of the islands and the known plover nests, or the potential to relocate known plover nests to minimize potential impacts. This will require additional coordination with U.S. Fish & Wildlife, and/or Garrison Project Office.

Please contact me if you have any questions.

Thanks, [REDACTED]

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 2:30 PM
To: [REDACTED] NWO
Subject: Lake Audubon

[REDACTED]
I have a few questions I'm hoping you can address:

1. Does the operation plan for Garrison allow the use of Audubon Lake for storage in situation like we are currently experiencing? If so, could you point me to where that is stated? In the Water Control Manual for Lake Audubon, it seems to hint at that but it's not exactly clear (see pages 3-2 to 3-4).

2. Is there a written description of what the PLAN would encompass (e.g., a need to move water over in order to free space for impending participation/snowmelt)? You stated concerns with rain, plain snowmelt, and mountain snowpack, which would provide justification for the plan, and if water is not evacuated out of Lake Sakakawea, potential flooding could occur to...?

3. Is there any potential to identify the elevations of the islands and the known plover nests? With this in mind, is there any potential to relocate known plover nests to minimize potential impacts or would the entire island(s) succumb to pumped water and be flooded?

[REDACTED]
Environmental Resources Specialist
Corps of Engineers, Omaha District
1616 Capitol Avenue
Omaha, Nebraska 68102-4901
Phone: (402) [REDACTED]

Classification: UNCLASSIFIED

NWO

From: [REDACTED] NWD
Sent: Saturday, May 28, 2011 8:47 AM
To: Anderson, G Witt NWD; [REDACTED] HQ@NWD; [REDACTED] ULA; [REDACTED]
NWD; [REDACTED] NWD; [REDACTED] NWD; Blechinger, Erik T NWO; [REDACTED]
[REDACTED] NWD; Farhat, Jody S NWD02; [REDACTED] HQ; [REDACTED] NWD; [REDACTED]
Stacey K HQ02; [REDACTED] NWD; [REDACTED] NWD; [REDACTED] NWD; [REDACTED]
[REDACTED] NWD; [REDACTED] ULA@NWD; [REDACTED] NWD; [REDACTED] NWD;
Rychlik, Dean L; [REDACTED] NWD; Tipton, Robert A Col NWD; [REDACTED] NWD
Cc: CENWD-EOC NWD; Love, Raymond E MAJ NWD; [REDACTED] NWD; [REDACTED]
[REDACTED] NWD; [REDACTED] NWD
Subject: Mo River Update (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

CMT Members,

Situation along the MO River upper basin appear to be deteriorating. Bad news is that new forecast calls for up to 3 inches of more rain for eastern Montana and Wyoming on Sunday and Monday and so models are being rerun today that will either require higher releases or sooner releases from the dams or both. NWO is reworking the inundation models today and will be conducting a congressional delegation (CODEL) call again later today.

For those of you participating in the Executive MO River call today at 1400, we need you to be flexible. The CODEL call may trump when we were doing our call-in today. Please stay tuned to your BBs as changes will most likely occur. Pam will submit invites to participants as things evolve.

Thanks,

[REDACTED]
[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division
[REDACTED]

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 8:37 AM
To: DLL-CENWO-EOC CMT-ALL
Cc: CENWD-EOC NWD; Cenwk-EOC NWK
Subject: EOC Activation Level 4 - 24 Hour Operations - READ IMMEDIATELY (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: FOUO

All,

Heavy forecasted rain as well as current high levels will cause releases to increase greatly as well as be shifted forward in the schedule.

We are in 24 hour operations effective immediately. CMT is fully staffed and running 2 shifts. Shifts will be 0700 to 1930. Please submit names of personnel on each rotation along with all contact information to the EOC mailbox, CENWO-EOC NWO.

NWD - need you to tell me who is on call in those 24 hour shifts.

CMT Meeting Scheduled for 1800 tonight. Schedule could shift back due to BG McMahon and COL Ruch's arrival time back at the District from Pierre.

More information to follow as it becomes available.

Thanks,

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[REDACTED] [@usace.army.mil](mailto:[REDACTED]@usace.army.mil)

Classification: UNCLASSIFIED

Caveats: FOUO

NWO

From: Ruch, Robert J COL NWO
Sent: Saturday, May 28, 2011 8:35 AM
To: Tipton, Robert A Col NWD; [REDACTED] NWO; [REDACTED] NWD
Cc: McMahon, John R BG NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD
Subject: Re: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

Updated MG Grisoli this morning. Situation deteriorating and new numbers to come.
V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Tipton, Robert A Col NWD
To: Ruch, Robert J COL NWO; [REDACTED] NWO; [REDACTED] NWD
Cc: McMahon, John R BG NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD
Sent: Sat May 28 05:52:49 2011
Subject: Re: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

Bob,

I know they are going through EOC channels this morning; however I also just forwarded them directly to KDA and COL Smith just now.

Thanks for the hard work of your team.

RT

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Ruch, Robert J COL NWO
To: [REDACTED] NWO; [REDACTED] NWD
Cc: McMahon, John R BG NWD; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED], [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED], [REDACTED] NWK
Sent: Fri May 27 21:39:29 2011
Subject: Re: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

John L,

Let me know when this product goes forward please.

V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO

To: [REDACTED] NWD

Cc: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED] NWK

Sent: Fri May 27 21:35:59 2011

Subject: RE: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

All,

Please find attached the product requested. Let me know if you need anything else.

Thanks,

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102

[REDACTED] Office

[REDACTED] Blackberry

[REDACTED]@usace.army.mil

-----Original Message-----

From: [REDACTED] NWD

Sent: Friday, May 27, 2011 2:54 PM

To: [REDACTED] NWO

Cc: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED] NWK

Subject: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

Importance: High

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]

ACTION NEEDED. Official tasking from HQUSACE for the Presidential Staff on development of a GIS product(s) for both Bismarck, Pierre and along the MO River tied to releases of 120Kcfs. Attached is an example of what the POTUS was given regarding the Morganza Floodway inundation situation. Your previous products were shared however more resolution / detail needed along the Missouri River (see comment below). Detail regarding depths noted on the example for 120Kcfs. Need to have this tonight so HQUSACE can get to Presidential Staff tomorrow.

My POC this action is MAJ Ray Love.

Thanks,

[REDACTED]
[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division
[REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 12:14 PM
To: [REDACTED] NWD
Cc: [REDACTED] HQ02
Subject: NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
Attached is a document MVD produced for the Morganza Floodway inundation 5-foot resolution. Has been used by the White House (on their website), State of LA, MVD, and others to tell the story. This is what Ms. Kd-a was referring to when she asked for our products. Need to have this for various points along Missouri River tied to our potential releases (I assume 120,000 cfs). Bismarck and Pierre are good starts. Don't know if you are tracking this requirement, but this is what WH is looking for today or early tomorrow to put in POTUS hands. I'll call to explain if I can. Thanks.

[REDACTED]
[REDACTED]
Office of Homeland Security
Headquarters, U.S. Army Corps of Engineers
Work: ([REDACTED])
Mobile: ([REDACTED])

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Saturday, May 28, 2011 8:30 AM
To: Farhat, Jody S NWD02
Subject: FW: Inflow Forecasts from MBRFC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Tom called back and said that the 5-day will closer to 1:00 pm.

[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE
[REDACTED]
[REDACTED] (fax)

-----Original Message-----

From: [REDACTED] NWD02
Sent: Saturday, May 28, 2011 7:07 AM
To: Farhat, Jody S NWD02
Subject: Inflow Forecasts from MBRFC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Tom Gurss:

9:30 - "rough" estimate.

Noon - "final" forecast.

5-day QPF contingency for Peck, Garr and Oahe

[REDACTED]
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE
[REDACTED]
[REDACTED] (fax)

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Jordano, James J LTC NWO
Sent: Saturday, May 28, 2011 8:00 AM
To: [REDACTED] ULA@NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Schenk, Kathryn M NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Husted, David (Dave) L ACE-IT; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO
Subject: WAREHOUSE RELOCATION, MRPO, and RCC COMMS

Team - Based on new forecasts, things have taken a turn for the worse!

The decision has been made to execute a warehouse relocation. We also need to protect or relocate the MRPO and the RCC's communications equipment that sits down there.

We will gather today and decide on the location, protection measures, etc.

At a minimum, I need John Jacobson/MAJ Davis, Dave Peterson, George Keele, Dick Taylor, Office of Counsel rep, and Real Estate to come in for the meeting. Let's shoot for 1030h TODAY in my office.

I will attempt to get a call-in number for the others and send out via email.

Thanks.

LTC James J. Jordano, P.E.
Deputy Commander
Omaha District, USACE

Office: 402-995-2002
BB: 402-350-3747
james.j.jordano@usace.army.mil

[REDACTED] NWO

From: Tipton, Robert A Col NWD
Sent: Saturday, May 28, 2011 7:53 AM
To: Ruch, Robert J COL NWO; [REDACTED] NWO; [REDACTED] NWD
Cc: McMahon, John R BG NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD
Subject: Re: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

Bob,

I know they are going through EOC channels this morning; however I also just forwarded them directly to KDA and COL Smith just now.

Thanks for the hard work of your team.

RT

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: Ruch, Robert J COL NWO
To: [REDACTED] NWO; [REDACTED] NWD
Cc: McMahon, John R BG NWD; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED], Eugene J NWK
Sent: Fri May 27 21:39:29 2011
Subject: Re: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

John L,

Let me know when this product goes forward please.

V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: [REDACTED] NWD
Cc: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED] NWK
Sent: Fri May 27 21:35:59 2011
Subject: RE: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All,

Please find attached the product requested. Let me know if you need anything else.

Thanks,
[REDACTED]

[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[\[REDACTED\]@usace.army.mil](mailto:[REDACTED]@usace.army.mil)

-----Original Message-----

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 2:54 PM
To: [REDACTED] NWO
Cc: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED] NWK
Subject: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED

Caveats: NONE

Kim,

ACTION NEEDED. Official tasking from HQUSACE for the Presidential Staff on development of a GIS product(s) for both Bismarck, Pierre and along the MO River tied to releases of 120Kcfs. Attached is an example of what the POTUS was given regarding the Morganza Floodway inundation situation. Your previous products were shared however more resolution / detail needed along the Missouri River (see comment below). Detail regarding depths noted on the example for 120Kcfs. Need to have this tonight so HQUSACE can get to Presidential Staff tomorrow.

My POC this action is MAJ Ray Love.

Thanks,
[REDACTED]

[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division
[REDACTED]

-----Original Message-----

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 12:14 PM
To: [REDACTED] NWD

Cc: [REDACTED] HQ02
Subject: NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED],
Attached is a document MVD produced for the Morganza Floodway inundation 5-foot resolution. Has been used by the White House (on their website), State of LA, MVD, and others to tell the story. This is what Ms. Kd-a was referring to when she asked for our products. Need to have this for various points along Missouri River tied to our potential releases (I assume 120,000 cfs). Bismarck and Pierre are good starts. Don't know if you are tracking this requirement, but this is what WH is looking for today or early tomorrow to put in POTUS hands. I'll call to explain if I can. Thanks.

[REDACTED]
[REDACTED]
Office of Homeland Security
Headquarters, U.S. Army Corps of Engineers
Work: [REDACTED]
Mobile: ([REDACTED])

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NWO

From: Tom Gurss [Tom.Gurss@noaa.gov]
Sent: Saturday, May 28, 2011 7:33 AM
To: [REDACTED] NWD02
Cc: steven Predmore; Farhat, Jody S NWD02; [REDACTED] NWD02; [REDACTED] NWD02; [REDACTED] NWD02
Subject: Re: Contingency reservoir inflow forecasts (UNCLASSIFIED)
Attachments: tom_gurss.vcf

We run our 1-day QPF twice a day. We would prefer to do the 5-day QPF contingencies just once a day.

tom

On 5/27/2011 10:27 PM, Grode, Kevin R NWD02 wrote:

> Classification: UNCLASSIFIED
> Caveats: NONE
>
> Tom,
>
> These were great and invaluable. We've integrated them directly into
> our regulation plans. Huge favor to ask ... can we continue to get
> these for all
> 3 projects, with 1 day of QPF and also 5 days of QPF for the next week
> or so (and perhaps a few days beyond)? You'd run these twice a day, correct?
>
> [REDACTED]
>
> [REDACTED]
> Reservoir Regulation Team Lead
> Missouri River Basin Water Management, Northwestern Division, USACE
> [REDACTED]
> [REDACTED] (fax)
>
> -----Original Message-----
> From: Tom Gurss [mailto:Tom.Gurss@noaa.gov]
> Sent: Friday, May 27, 2011 9:00 PM
> To: [REDACTED] NWD02
> Cc: Ross Wolford; steven Predmore; kevin low; ted apley; Adrian Faimon
> Subject: Contingency reservoir inflow forecasts
>
> Here they are. There was hardly any runoff in the intervening flow
> for Oahe, so I didn't do a contingency for it. I'm not too
> comfortable with Oahe inflow because we haven't looked at that very closely before.
>
> Garrison inflow includes 10,000 constant release from Ft. Peck.
> Oahe inflow assumes constant 80,000 from Garrison.
>
> This has not been an easy exercise. I hope it turned out correct. We
> need to figure out a different method next time.
>
> tom
>
> Classification: UNCLASSIFIED
> Caveats: NONE

NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 7:14 AM
To: Farhat, Jody S NWD02
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO; [REDACTED] NWO;
[REDACTED] NWD; [REDACTED] NWD
Subject: RE: Call tomorrow (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jody,

I was guessing that would be the response, just wanted to make sure you were aware and ready should the question come up.....Joel

[REDACTED]
Tribal Liaison
USACE Omaha District
1616 Capitol Ave, Suite 9000
Omaha, NE 68102-4901
Voicemail ([REDACTED])
Fax ([REDACTED])
[\[REDACTED\]@usace.army.mil](mailto:[REDACTED]@usace.army.mil)

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Friday, May 27, 2011 9:51 PM
To: [REDACTED] NWO
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO; [REDACTED] NWO; [REDACTED]
[REDACTED] NWD; [REDACTED] NWD
Subject: RE: Call tomorrow (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

The answer is that we consulted on the Master Manual which is used to guide daily release decisions on the regulation of the system. Updating the Master Manual was the decision that was consulted on, now we are simply implementing that decision.

Keith Fink, the Big Bend project manager, has been coordinating with the Lower Brule and Crow Creek Tribes with regard to the Big Bend pool elevation even though we have not reached the elevation triggers that require us to coordinate with them.

Jody

-----Original Message-----

From: [REDACTED] NWO
Sent: Friday, May 27, 2011 4:18 PM
To: Farhat, Jody S NWD02
Cc: Ruch, Robert J COL NWO; [REDACTED] NWO
Subject: Call tomorrow
Importance: High

Jody,

Recommend that you be prepared to address the question regarding why there was not Tribal Consultations conducted before making decisions.....[REDACTED]

Message sent via my BlackBerry Wireless Device

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 7:11 AM
To: [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO; Johnston, Paul T HQ@NWO
Subject: Re: flood, lake questions (UNCLASSIFIED)

All,
Paul Johnston has returned from retirement to help us and fortunately for me, he is in Bismarck! He will assist us in formulating our replies.
Todd

Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO
Sent: Sat May 28 04:53:05 2011
Subject: FW: flood, lake questions (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All,

I will need some help answering some of these questions. Stu doesn't need this until Monday pm.

Thanks.

[REDACTED]

-----Original Message-----

From: editors@bhgnews.com [<mailto:editors@bhgnews.com>]
Sent: Friday, May 27, 2011 5:42 PM
To: [REDACTED] NWO
Subject: flood, lake questions

[REDACTED]

Questions are below, and attached.
Don't be afraid to be brief in answers. We brainstormed questions, and came up with quite a few (sorry).
I'll be in and out over the weekend, and in Monday night.
Thank you so much for taking the time for us.
Stu

██████████ is lake manager with the U. S. Army Corps of Engineers. Her duties include -----
-- what, ██████████ -----.

What are your tasks during this situation?

The lake has been this high before - twice - how does this time vary from previous highs in 1975 and 1997?

How is the pressure on the dam monitored?

Releases have gone from 40,000 cfs to 70,000 cfs, 75,000cfs and 85,000 - and plans to go all the way to 105,000 cfs in mid-June. What is maximum release (top end)?

The Corps prepared for the spring runoff this winter. Did Corps officials feel that adequate amounts were released for the spring runoff?

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Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWD02
Sent: Saturday, May 28, 2011 7:07 AM
To: Farhat, Jody S NWD02
Subject: Inflow Forecasts from MBRFC (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]:

9:30 - "rough" estimate.

Noon - "final" forecast.

5-day QPF contingency for Peck, Garr and Oahe

[REDACTED].
Reservoir Regulation Team Lead
Missouri River Basin Water Management,
Northwestern Division, USACE

[REDACTED]
[REDACTED] (fax)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 6:57 AM
To: [REDACTED] NWO; Farhat, Jody S NWD02; [REDACTED] NWO
Subject: RE: flood, lake questions (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Hi [REDACTED]
I would recommend that [REDACTED] in Geotech could also help with a few of the dam related questions if you would like to e-mail this to him also.

[REDACTED]

-----Original Message-----

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 6:53 AM
To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: FW: flood, lake questions (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All,

I will need some help answering some of these questions. Stu doesn't need this until Monday pm.

Thanks.

[REDACTED]

-----Original Message-----

From: editors@bhgnews.com [<mailto:editors@bhgnews.com>]
Sent: Friday, May 27, 2011 5:42 PM
To: [REDACTED] NWO
Subject: flood, lake questions

[REDACTED]

Questions are below, and attached.
Don't be afraid to be brief in answers. We brainstormed questions, and came up with quite a few (sorry).
I'll be in and out over the weekend, and in Monday night.
Thank you so much for taking the time for us.
Stu

██████████ is lake manager with the U. S. Army Corps of Engineers. Her duties include -----
-- what, ██████████ -----.

What are your tasks during this situation?

The lake has been this high before - twice - how does this time vary from previous highs in 1975 and 1997?

How is the pressure on the dam monitored?

Releases have gone from 40,000 cfs to 70,000 cfs, 75,000cfs and 85,000 - and plans to go all the way to 105,000 cfs in mid-June. What is maximum release (top end)?

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Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED] NWO

From: [REDACTED] NWO
Sent: Saturday, May 28, 2011 6:53 AM
To: Farhat, Jody S NWD02; [REDACTED] NWO; [REDACTED] NWO
Subject: FW: flood, lake questions (UNCLASSIFIED)
Attachments: flood 11, QA.rtf

Classification: UNCLASSIFIED
Caveats: NONE

All,

I will need some help answering some of these questions. Stu doesn't need this until Monday pm.

Thanks.

[REDACTED]

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From: editors@bhgnews.com [mailto:editors@bhgnews.com]
Sent: Friday, May 27, 2011 5:42 PM
To: [REDACTED] NWO
Subject: flood, lake questions

[REDACTED]

Questions are below, and attached.
Don't be afraid to be brief in answers. We brainstormed questions, and came up with quite a few (sorry).
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Classification: UNCLASSIFIED

Caveats: NONE

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[REDACTED] NWO

From: [REDACTED] HQ02 on behalf of CE-UOC HQ02
Sent: Saturday, May 28, 2011 12:35 AM
To: Farhat, Jody S NWD02
Cc: DLL-HQ-UOCInternal
Subject: RE: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

UOC Acknowledges receipt!

V/R,

[REDACTED]
Operations Officer
HQUSACE Operations Center
[REDACTED]

-----Original Message-----

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 1:20 AM
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Here is the latest update for the missouri river basin as reported by BG McMahon in an email to his superiors tonight. The condition continues to worsen by the day. If the 5 day qpf materializes, and hpc has a good degree of confidence that it will, we will have to increase releases sooner than planned and will be at rates nearly double our previous record high from fort peck, garrison and oahe within the week. These increase releases will eventually be passed down through the other 3 reservoirs and into the lower river. This will result in historic flooding (since the system was built) in the upper portion of the basin and perhaps higher than the 1993 flood in the lower basin.

More details will be forth coming tomorrow.

Note to NWD leaders: I am sending this update to the WM team at HQ per their instructions that I should report to them anything I report to the CG. As such, I will also add the cc list to any email I send to HQ for your SA.

Jody

----- Original Message -----

From: McMahon, John R BG NWD
To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO
Sent: Fri May 27 21:23:22 2011
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Sir:

Visit with ND delegation, 2 Senators, Gov, TAG, mayors and county officials went well today-- they appreciate the effort that Bob Ruch and his team are putting forth, awarding 2 contracts today with others in the bidding process. Held a teleconference with all, attended by local citizens who displayed a realistic attitude and acceptance about the situation portrayed. Since then, the NWS forecast has worsened and we are now faced with an even worse set of circumstances--we will conduct our CODEL Call at 0800 CST to inform and discuss--have already made calls to specific members and TAG as a heads up. Bottom Line is our construction period will shrink from 10 days to 5 days as we will have to increase releases out of both Fort Peck and Garrison and Oahe much earlier than originally planned just 2 days ago. COL Ruch is analyzing what additional resources, and contract mods/increases he might make to accommodate the shorter period of construction to defend Bismarck. The increased releases are due to the NWS forecast of another big rain event in the upper MRB to include eastern Montana, Western ND and Wyoming beginning Mon into Tues. We will monitor the upcoming forecasts and the actual rainfall to make any possible modifications to our planned releases. The releases will stay at 120Kcfs out of Garrison above Bismarck which is what we have designed to there. Will be off to Pierre, SD in the AM to conduct recon and meet with local and state officials including the Gov. More to follow.

VR, John

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Farhat, Jody S NWD02
Sent: Saturday, May 28, 2011 12:22 AM
To: [REDACTED] NWD02; [REDACTED] NWD02; Farhat, Jody S NWD02
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

I should have added you but hit send too soon.

----- Original Message -----

From: Farhat, Jody S NWD02
To: UOC Internal; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02; [REDACTED] HQ02
Cc: Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Blechinger, Erik T NWO
Sent: Fri May 27 22:20:21 2011
Subject: Fw: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Here is the latest update for the missouri river basin as reported by BG McMahon in an email to his superiors tonight. The condition continues to worsen by the day. If the 5 day qpf materializes, and hpc has a good degree of confidence that it will, we will have to increase releases sooner than planned and will be at rates nearly double our previous record high from fort peck, garrison and oahe within the week. These increase releases will eventually be passed down through the other 3 reservoirs and into the lower river. This will result in historic flooding (since the system was built) in the upper portion of the basin and perhaps higher than the 1993 flood in the lower basin.

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Jody

----- Original Message -----

From: McMahon, John R BG NWD
To: Temple, Bo M MG HQ02; Grisoli, William T MG HQ02
Cc: [REDACTED] HQ02; [REDACTED] HQ02; Anderson, G Witt NWD; [REDACTED] NWD; Tipton, Robert A Col NWD; Ruch, Robert J COL NWO; Hofmann, Anthony J COL NWK; Farhat, Jody S NWD02; Blechinger, Erik T NWO
Sent: Fri May 27 21:23:22 2011
Subject: Bismarck, ND visit and Upeer Missouri Basin Update (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Sir:

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VR, John

Classification: UNCLASSIFIED

Caveats: NONE

NWO

From: Ruch, Robert J COL NWO
Sent: Friday, May 27, 2011 11:39 PM
To: [REDACTED] NWO; [REDACTED] NWO
Cc: McMahon, John R BG NWD; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED] NWK
Subject: Re: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

John L,

Let me know when this product goes forward please.

V/R,
COL Bob Ruch
Message sent via my BlackBerry Wireless Device

----- Original Message -----

From: [REDACTED] NWO
To: [REDACTED] NWD
Cc: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED] NWK
Sent: Fri May 27 21:35:59 2011
Subject: RE: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All,

Please find attached the product requested. Let me know if you need anything else.

Thanks,

[REDACTED]
[REDACTED]
Chief, Readiness Branch
U.S. Army Corps of Engineers - Omaha District
1616 Capitol Ave., Ste 9000
Omaha, NE 68102
[REDACTED] Office
[REDACTED] Blackberry
[REDACTED]@usace.army.mil

-----Original Message-----

From: [REDACTED] NWD
Sent: Friday, May 27, 2011 2:54 PM
To: [REDACTED] NWO

Cc: McMahon, John R BG NWD; Ruch, Robert J COL NWO; Tipton, Robert A Col NWD; Jordano, James J LTC NWO; Schenk, Kathryn M NWO; Farhat, Jody S NWD02; Blechinger, Erik T NWO; Bertino, John J Jr NWO; [REDACTED] NWO; [REDACTED] NWD; CENWO-EOC NWO; Cenwk-EOC NWK; CENWD-EOC NWD; [REDACTED] NWK
Subject: *** URGENT*** ACTION NEEDED*** NWD Inundation Analysis (UNCLASSIFIED)
Importance: High

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

ACTION NEEDED. Official tasking from HQUSACE for the Presidential Staff on development of a GIS product(s) for both Bismarck, Pierre and along the MO River tied to releases of 120Kcfs. Attached is an example of what the POTUS was given regarding the Morganza Floodway inundation situation. Your previous products were shared however more resolution / detail needed along the Missouri River (see comment below). Detail regarding depths noted on the example for 120Kcfs. Need to have this tonight so HQUSACE can get to Presidential Staff tomorrow.

My POC this action is [REDACTED]

Thanks,
[REDACTED]

[REDACTED]
Chief, Readiness and Contingency Operations Northwestern Division
([REDACTED])

-----Original Message-----

From: [REDACTED] HQ02
Sent: Friday, May 27, 2011 12:14 PM
To: [REDACTED] NWD
Cc: [REDACTED] HQ02
Subject: NWD Inundation Analysis (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

Attached is a document MVD produced for the Morganza Floodway inundation 5-foot resolution. Has been used by the White House (on their website), State of LA, MVD, and others to tell the story. This is what Ms. Kd-a was referring to when she asked for our products. Need to have this for various points along Missouri River tied to our potential releases (I assume 120,000 cfs). Bismarck and Pierre are good starts. Don't know if you are tracking this requirement, but this is what WH is looking for today or early tomorrow to put in POTUS hands. I'll call to explain if I can. Thanks.

[REDACTED]
[REDACTED]
Office of Homeland Security

Headquarters, U.S. Army Corps of Engineers

Work: ([REDACTED])

Mobile: ([REDACTED])

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

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Caveats: NONE